KIP

KIP 3100 User's Guide

Version A.4 May 14, 2009

-Please read this USER'S GUIDE before using the printer.
-Please keep this USER'S GUIDE for future reference.

KATSURAGAWA ELECTRIC CO., LTD.

Thank you for purchasing the Multi-Function Printer KIP 3100.

This USER'S GUIDE contains functional and operational explanations for the KIP 3100.
Please read this USER'S GUIDE carefully before using the Printer.
Please keep this USER'S GUIDE for future reference.

1. When this product is installed in North America.
   This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
2. When this product is installed in Europe
   This equipment complies with the requirements in Pub.22 of CISPR Rules for a Class B computing device.
   Operation of this equipment in a residential area may cause unacceptable interference to radio and TV reception requiring the operator to take whatever steps are necessary to correct the interference.

Do not install Machine around other electronic equipment or other precision instruments. Other devices may be effected by electrical noise during operation.

If the Machine is installed near other electronic equipment, such as a TV or a radio, interference to said equipment, such as noise or flickering, may occur.
Use a separate power line and install the PRINTER as far as possible from said equipment.

As an ENERGY STAR ® Partner, Katsuragawa Electric Co., Ltd. has determined that this product meets the ENERGY STAR ® guidelines for energy efficiency.

The International ENERGY STAR ® Office Equipment Program is an international program that promotes energy saving through the penetration of energy efficient computers and other office equipment. The program backs the development and dissemination of products with functions that effectively reduce energy consumption. It is an open system in which business proprietors can participate voluntarily. The targeted products are office equipment such as computers, monitors, printers, facsimiles, copiers, scanners, and multifunction devices. Their standards and logos are uniform among participating nations.

The symbol shown indicates that this product conforms to Directive 2002/96/EC of the European Parliament and the council of 27 January 2003 on waste electrical and electronic equipment (WEEE) and does not apply to countries outside of EU.

Only For EU Member States

The symbol shown indicates that this product conforms to SJ/T11364-2006 of People's Republic of China Electronic Industry Standard and does not apply to countries outside of People's Republic of China.

The symbol shown indicates that this product conforms to GB 18455-2001 11364-2006 of National Standard of the People's Republic of China and does not apply to countries outside of People's Republic of China.

인증받은 자의상호; 케이아이피비즈니스솔루션코리아주식회사
제조자; TAIWAN SANKEI CO., LTD.
제조국가; 대만

Safety Warnings

The following warnings are very important in order to safely use this product.
These notes are important in preventing danger to the operator or operation of the printer.

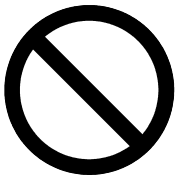
The following symbols are found throughout the USER'S Manual and have the following meaning:

WARNING

This WARNING mark means that there is a possibility of death or serious injury if you ignore or do not follow the said instruction.

CAUTION

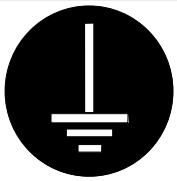
This CAUTION mark means that there is a possibility of injury or physical damage if you ignore or do not follow the said instruction.



When marked with this symbol, "DO NOT ATTEMPT"

When marked with this symbol, "pay close attention to"

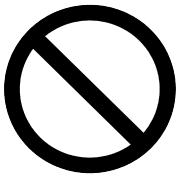
WARNING



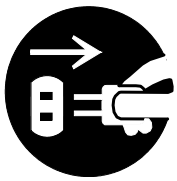
Ground the product with a correct ground source or you may be electrically shocked.

1. The Power source should be as follows:
   In U.S.A. : 120V plus/minus10%, 50/60Hz, 15A or higher
   In Europe : 220-240V plus6% or minus10%, 50/60Hz, 10A or higher
2. Use a circuit with a dedicated breaker.
3. Install the product as close to the wall outlet as possible.
4. If you wish to move the printer, please contact your service personnel.

1. Do not remove the screw and do not open the cover if not instructed to do so in this User's Manual. If you ignore this warning, you may be burnt or receive an electric shock due to a hot item or electrically charged part inside of the printer.
2. Do not disassemble or tamper with the printer.
   It may result in a fire or an electrical shock.



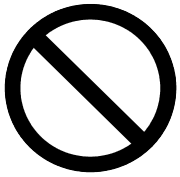
1. Do not plug in the printer into a multi-wire connector in which some other equipment is plugged into.
   It may cause a fire due to outlet overheating.
2. Do not damage the Power Cord by stepping on or placing heavy items on it.
   If the Power Cord is damaged, it may cause a fire or you may receive an electric shock. REPLACE THE CORD IF DAMAGED!



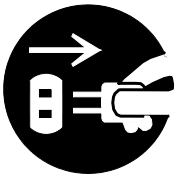
1. Do not put a flower vase, a flowerpot or any water-filled item on the product.
   Spilt water could cause a fire or an electric shock.
2. If the product generates an abnormal smell or noise, turn it off and unplug it from the wall electrical outlet immediately.

Do not throw the toner into a fire or other sources of heat, as it can explode.

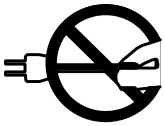
CAUTION



Do not install the printer in a humidified room or a dusty room.
Also, do not install the printer on an unstable floor as injuries may occur.



1. Unplug the printer before you move it.
   The power cord may be damaged and it may result in a fire or electric shock.
2. If you do not use the printer for a long duration (holidays, company shutdown) turn off and unplug the printer from the outlet for safety.



Do not pull the cord when you unplug the printer as you may damage the Power Cord.

There are hot items inside of the printer.
Take great care not to touch these items when you remove mis-fed media.

Ventilate the room well if you print in a small area.

POWER CORD INSTRUCTION

The installation of (or exchange to) a power plug which fits in the wall outlet of the installation location shall be conducted in accordance with the following:

WARNING

Select a power plug which meets the following criteria;

- The plug has a voltage and current rating appropriate for the product's rating marked on its name plate.
- The plug meets regulatory requirements for the area.
- The plug is provided with a grounding pin or terminal.

If the appropriate plug does not fit the wall outlet in the installation, the customer shall install an appropriate outlet.

Connector Type:

Configuration	Standard	Rating	Usually found in
	IEC60320:C13	10A 250V 15A 125V	

Plug Type: Model Rating 220-240V

Configuration	Standard	Rating	Usually found in
	CEE7/7	10A 250V	European countries
	KS C 8305	10A 250V	Korea
	AS/NZS 3112	10A 250V	Australia New Zealand
	GB1002 GB2099.1	10A 250V	China
	IRAM 2073	10A 250V	Argentina
	BS 1363	10A 250V	United Kingdom
	SASO 2203	10A 250V	Saudi Arabia
	BS 546A IS-1293 SABS-1293	15A 250V	United Kingdom India South Africa
	SEV 1011	10A 250V	Switzerland

Chapter 1

Before Use

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1. 1 Installation Requirements

The following conditions are required for installation of the equipment.

1. Power source should be rated as follows.
   In U.S.A. : 120V plus/minus 10%, 50/60Hz, 15A or higher
   In Europe : 220-240V plus 6% or minus10%, 50/60Hz, 10A or higher
2. The equipment must be on an exclusive circuit.
3. The outlet must be near the equipment and easily accessible.

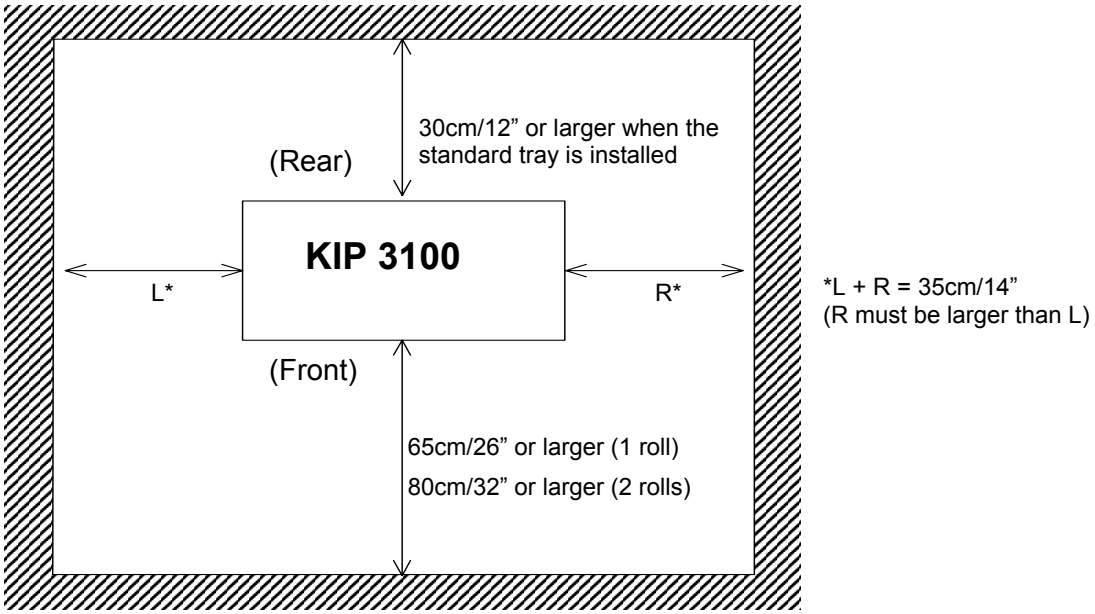
1. Make sure to connect this equipment to a grounded outlet.
2. For PLUGGABLE EQUIPMENT, the socket-outlet shall be installed near the equipment and shall be easily accessible.

The site temperature range = 10 to 32 degrees Centigrade, with the humidity between 15% to 85% RH. (NON CONDENSING)
Keep the printer away from water sources, boilers, humidifiers or refrigerators.

1. The installation site must not have open flames, dust or ammonia gases.
2. The equipment must not be exposed to the air vents from air conditioners. It may affect the image quality.
3. The equipment should not be exposed to the direct sunlight. Please draw curtains to block any sunlight. When you open the Movable Unit, do not expose the Photoconductive Drum to strong (intense) light as this will damage the Drum.

Ozone will be generated while this equipment is use, although the quantity generated is within safe levels. (see certifications)
Ventilate the room, if required.

Keep ample room around the equipment to ensure comfortable operation.
(Refer to the following figure.)
The equipment must be leveled and the floor strength must be ample to sustain the weight of the equipment.



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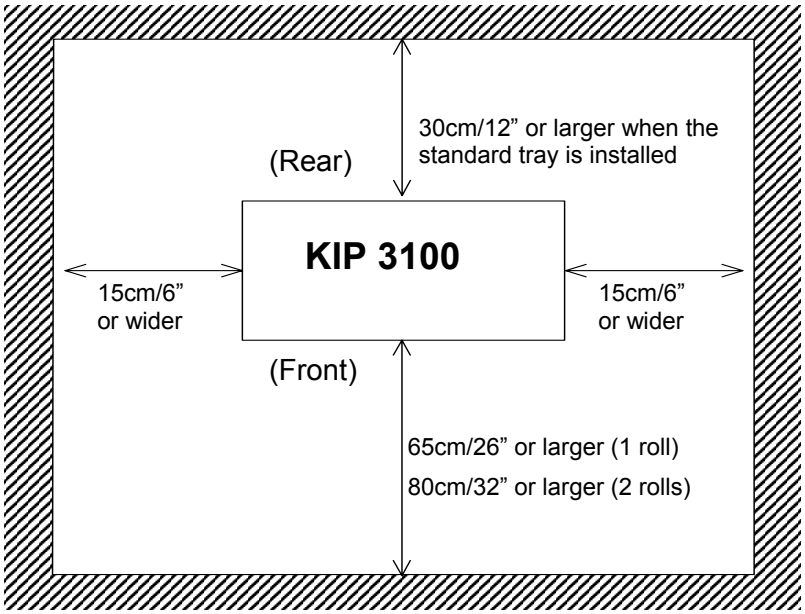


1. 2 Originals Prohibited from Duplication

It is not necessarily allowed to copy every kind of original.
You may be punished by the law if only you possess the copy of some kind of original.
We recommend you to consider enough before you copy such original.

[Originals prohibited from copying by the law]

1. It is not allowed to copy Currency (Bill, Money, Bank Note, etc.), Government issued Negotiable Instruments (National Bonds, Security, Local Debt Bonds, etc.).
2. It is not allowed to copy Foreign Currency or Foreign Negotiable Instruments.
3. It is not allowed to copy unused postal stamps or government postcards without permission to make replica from Government.
4. It is not allowed to copy Government issued revenue stamps, certificate stamps which are prescribed by Liquor Tax Act or the Commodity Tax Act.

[Special items to be cared]

1. It is warned by the government to copy private issued securities (stock certificate, draft, check, goods ticket, etc.), commutation ticket or book of tickets, excluding that some specific company copies such originals as many as it requires for its own business.
2. We recommend you not to copy freely such originals as government issued passport, public or private issued licenses, automobile inspection certification, IDs and tickets like pass or meal.

Reference Law	Prohibited items to copy
Regulations to control fake currency and Bond.	Currency (Bill, Money, Bank Note, etc.), Government issued Negotiable Instruments (National Bonds, Security, Local Debt Bonds, etc.)
Control Law against Forged & faked Foreign Currency, Bill, Bank Note and Bond	Foreign Currency or Foreign Negotiable Instruments
Forged postal stamps control law	Unused postal stamps or government postcards
Forged revenue stamps control law	Government issued revenue stamps, and certificate stamps prescribed by Liquor Tax Act or Commodity Tax Act
Currency similarity securities Control Law	Private issued securities (stock, draft, check, goods ticket, etc.), commutation or book tickets

[Originals protected by the copyright]

It is prohibited to copy such originals as book, music, paintings, printed copy, maps, drawings, movie and pictures which are protected by the copyright, except for personnel or family use or similar purpose.

1. 3 Features

(1) KIP 3100 Digital Printer is a Multi-Function Printer for scan, copy and print large format documents. Some of these features may be optional.

(2) The operation speed is 80mm/s (5.8 D / minute landscape).

(3) The maximum print width is 914mm (36 inches) wide, and the minimum one is 210mm or 8.5”. The maximum print length is 6,000mm (19.7 feet) (for 36 inch wide media), and the minimum one is 210mm or 8.5 inches.

(4) 600dpi Calibrated LED Head and the KIP Image Process System is used for the highest image quality.

(5) The combination of KIP Contact Development System and mono-component minute toner can produce a high definition line, distinctive grayscale and consistent solid black.
The KIP HDP process generates no Waste Toner.

1. 4 Specifications

1. 4. 1 General

Subject	Specification
Model	KIP 3100
Configuration	Console
Power consumption (Maximum)	1,440W (Including Scanner & Controller Unit)
Power consumption (Low power mode)	43.6W
Acoustic noise	Idling ..... Max. 60db Printing ..... Max. 65db Impulse sound ..... Max. 70db EN ISO 7779
Ozone	Max. 0.05ppm (Measurement method under UL Standard)
Dimensions	1266mm (Width) x 600mm (Depth) x 1107mm (Height) (UI is not included)
Weight	About 485lbs (219kg) (1 roll) About 511lbs (232kg) (2 roll)
Environmental condition for usage	(Temperature) 50 to 89.6 F (10 to 32 degrees Centigrade) (Humidity) 15 to 85% RH
Interface	Network Interface (10 BASE-T / 100 BASE-TX)
Input power	In the US : 120V plus/minus 10%, 50/60Hz, 12A In Europe : 220-240V plus 6% or minus 10%, 50/60Hz, 7A

⚠ NOTE

The above specifications are subject to change without notice.

1. 4. 2 Printer part

Subject	Specification
Printing method	LED Array Electro photography
Photoreceptor	Organic Photoconductive Drum
Print speed	80mm per second (Inch) ..... 3.4ppm/E 5.8ppm/D Landscape (Metric) ..... 3.3ppm/A0 5.6ppm/A1 Landscape
Print head	LED Array
Resolution of print head	600dpi x 600dpi
Print width	Maximum ..... 36" or 914mm Minimum ..... 11" or 297mm (roll media) 8.5" or 210mm (cut sheet)
Print length	Maximum (Standard) ..... 19.7ft (6,000mm) for 36" / A0 wide (plain paper) or "5 x Standard length" (plain paper) "2 x Standard length" (tracing paper) "1 x Standard length" (film) (Option) ..... 75ft (24,000mm) Minimum ..... 8.5" or 210mm **⚠ NOTE** If the print is longer than 6,000mm, its image quality or the reliability of paper feeding is not guaranteed.
Warm up time	Shorter than 4 minutes 30 seconds (At 23°C, 60%RH, the rated voltage, and plain paper is used)
First print time	18 seconds (D Landscape) (At 23°C, 60%RH, the rated voltage, and plain paper is used)
Fusing method	Heat and Pressure Rollers
Development method	Dry type non-magnetic mono-component toner
Media	(Recommended Media) US model: Bond Paper 64g/m^2 to 80g/m^2, US Bond (PB-20) Vellum US Vellum (XV-20) Film 4MIL (PF-4DDME) Europe/Asia model: Plain Paper 64g/m^2 to 80g/m^2, Oce Red Label (75g/m^2) Tracing Paper Oce Transparent Paper (80g/m^2) Film Oce 3.5MIL
Storage of consumables	(Toner cartridge) Store the cartridge within the temperature range from 0 to 35 degrees Centigrade and within the humidity range from 35 to 85% RH.

⚠ NOTE

The above specifications are subject to change without notice.

1. 4. 3 Scanner part

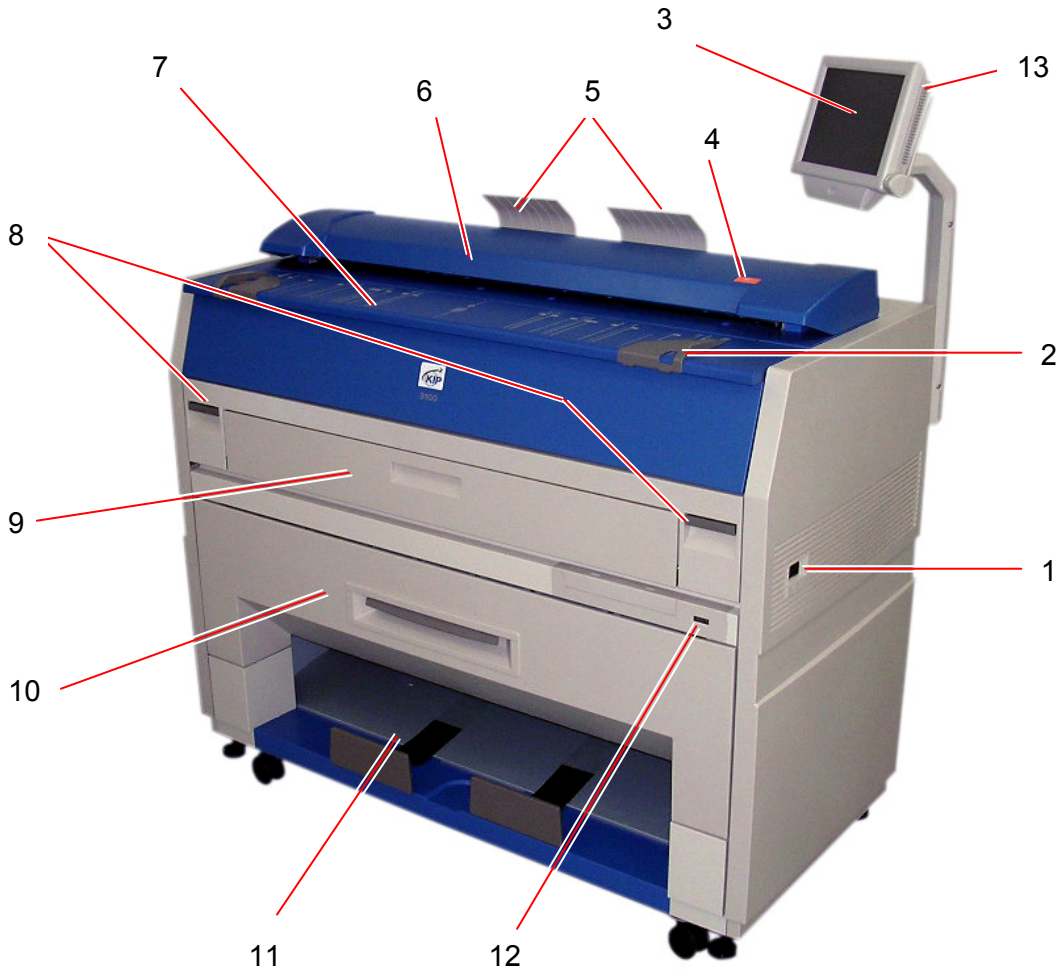
Subject	Specification
Scanning method	Contact Image Sensor (CIS) (5 pieces of A4 sized CIS)
Light source	LED (R/G/B)
Setting of original	Face up
Starting point of scan	Center
Scan width	Max: 36” or 914.4mm Min : 279.4mm
Scan length	Max: 19.7ft or 6,000mm (Including the margin area) Min : 8.5” or 210mm (Including the margin area)
Margin area	3mm from leading, trailing and both side edges
Optical resolution	600dpi
Digital resolution	200 / 300 / 400 / 600 dpi
Original transportation	Sheet through type
Transportable original thickness	Max: 1.60mm Min : 0.05mm **⚠ NOTE** If the original is thicker than 0.6mm, its image quality is not guaranteed.
Scanning speed	65 mm per second

⚠ NOTE

The above specifications are subject to change without notice.

1. 5 Appearance

1. 5. 1 Front view



No.	Name	Function
1	Main Switch	You can turn on/off the KIP 3100.
2	Original Guides	Feed the original under the Scanner Unit along the Original Guides.
3	User Interface	This is a Touch Screen, and many kinds of user operation are available.
4	Emergent Stop Button	Press this button when you would like to stop copying or scanning emergently.
5	Original Tray	These trays catch the original ejected from the Scanner Unit.
6	Scanner Unit	Read the original with this unit when you make scan or copy.
7	Toner Hatch (Original Table)	Open the Toner Hatch when you replace the Toner Cartridge. Also put the original here and then feed it into the Scanner Unit when you make scan or copy.
8	Engine Unit Open Lever	Pull up these levers when you open the Engine Unit.
9	Bypass Feeder	Feed a cut sheet paper from the Bypass Feeder.
10	Roll Deck	Roll paper can be set here. (You can set 1 roll paper normally, but 2 roll paper are available if you install the optional 2nd Roll Deck.)
11	Print Tray	Prints are stacked here after the ejection.
12	Counter	It counts the total amount printing.
13	Stylus	Use this to press buttons on the touch screen.

1. 5. 2 Rear view

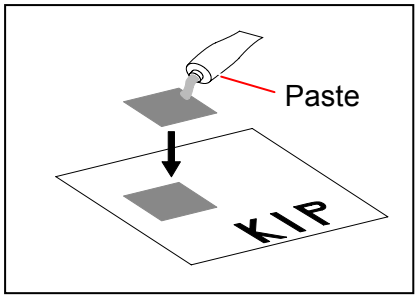
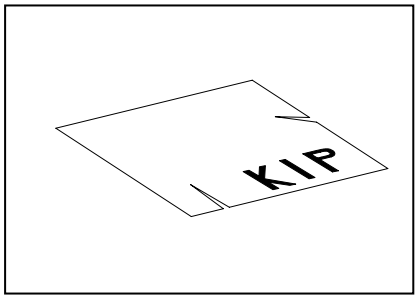
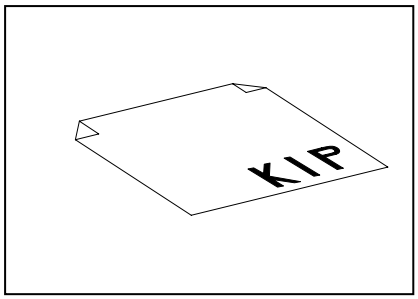
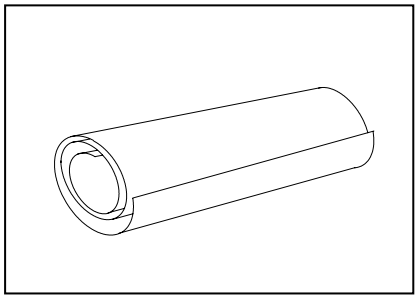
No.	Name	Function
1	Exit Cover	Open the Exit Cover when you remove the paper misfed inside the Fuser Unit.
2	LAN Port	Connect the LAN Cable to connect the KIP 3100 to the network. (Do not connect a telephone line)
3	Dehumidify Heater Switch (Optional in the US)	Turn on the Dehumidify Heater with this switch when you would like to dry the paper in the humid season.
4	Breaker	It is possible to shut off supplying the AC power.
5	Inlet Socket	Connect the Power Cord here.
6	Print Guide Trays	These trays guide the prints to the Print Tray.
7	COM Port (Optional)	Connect the cable from the Optional Device. (D-Sub Connector 9 pins: 12VDC max.)
8	USB Port	5VDC max.

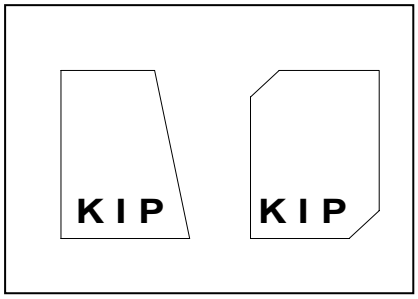
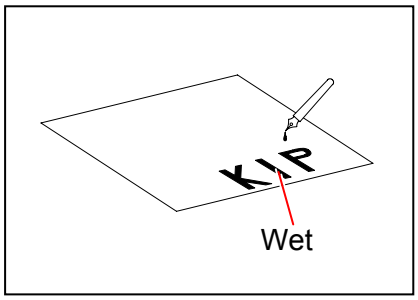
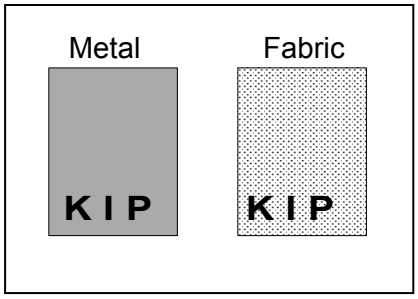
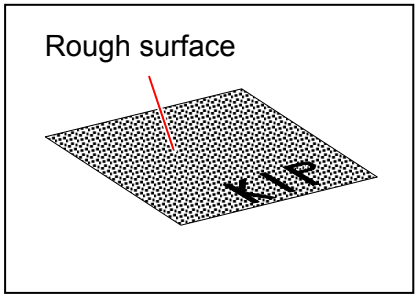
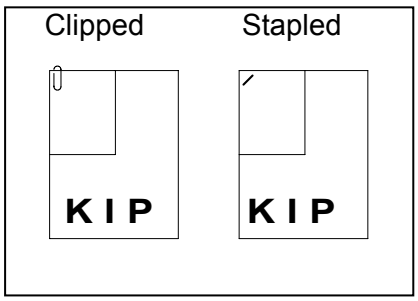
1. 6 Specifications for the Scan Original

A scan original must satisfy the following specifications.

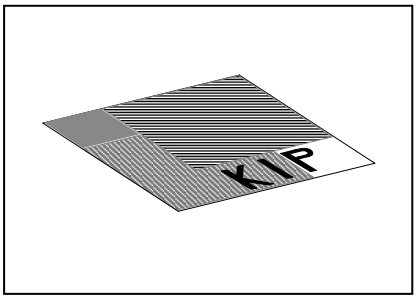
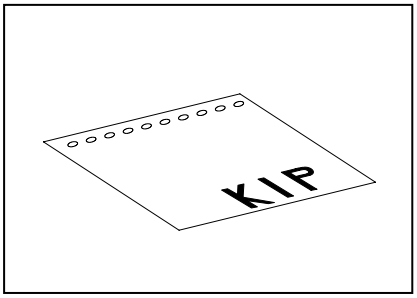
Thickness	0.05mm to 1.6mm
Width	279.4mm to 914.4mm
Length	210mm to 6,000mm

Do not scan the following kinds of originals. The original or the scanner may damage.

Sticked with paste	
Torn	
Folded (Leading edge)	
Excessively curled (a diameter of 50 mm or less)	

Not square	
Wet	
Metal or fabric material	
Rough surface (Carbon paper for example)	
Clipped or stapled	

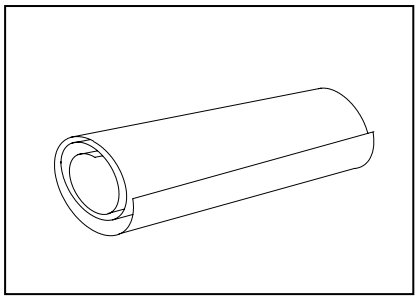
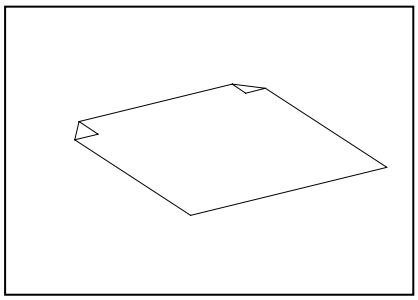
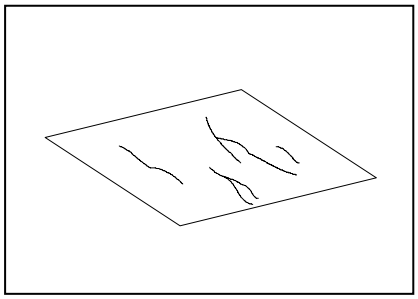
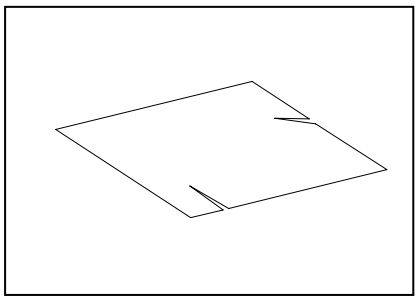
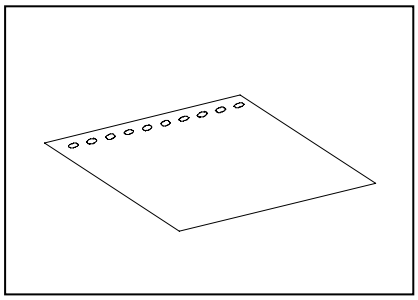
The following kinds of originals can be read with using a carrier sheet.
Image quality or the reliability of paper feeding for them is not guaranteed.

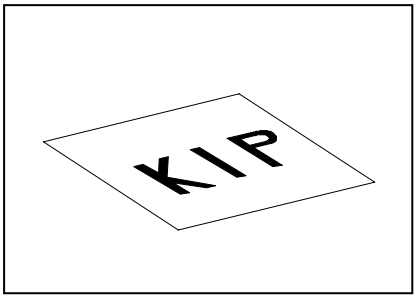
Patched	
Punched	

1. 7 Specifications for the Printing Paper

1. 7. 1 Papers not available to use

Do not use the following kinds of printing paper. Doing so may damage the print engine.

Excessively curled (a diameter of 50 mm or less)	
Folded	
Creased	
Torn	
Punched	

Pre-printed	
Extremely slippery	
Extremely sticky	
Extremely thin and soft	
OHP Film	

⚠ CAUTION

Do not use the paper with staple, or do not use such conductive paper as aluminium foil and carbon paper.
The above may result in a danger of fire

⚠ NOTE

(1) Print image may become light if printed on a rough surface of the paper.

(2) Print image may become defective if the print paper has an excess curl.

(3) It will become a cause for paper mis-feed, defective print image or paper creasing if you use a paper that does not satisfy the specification.

(4) Do not use a paper of which surface is very special, such as thermal paper, art paper, aluminium foil, carbon paper and conductive paper.

(5) Do not use papers with unpacked (exposed in high / low temperature & humidity) in a long period. Such papers may result in mis-feed, defective image or paper creasing.

(6) Tracing paper exposed to air over a long period tends to cause a defective printing. Removing one round on the surface of the tracing roll paper from the beginning is recommended.
Refer to [2.3 Replacement of Roll Paper] on page 2-5.

1. 7. 2 Keeping the paper in the custody

Keep the paper in the custody taking care of the following matters.

1. Do not expose the paper to the direct sunlight.
2. Keep the paper away from high humidity. (It must be less than 70%)
3. Put the paper on a flat place
4. If you will keep the paper in the custody, which you have already unpacked, put it into the polyethylene bag to avoid the humidity.

1. 7. 3 Treatment against environmental condition

Take a necessary treatment according to the environmental condition as shown below.

Humidity(%)	Possible problem	Necessary treatment
Low ↑	"Void of image", "crease of paper" and other problems occurs when you print with plain paper and tracing paper.	1. Install the humidifier in the room, and humidify the room air. 2. Remove the paper from the machine right after the completion of print, and keep it in a polyethylene bag.
	"Void of image" occurs when you print with tracing paper.	If you will not make print soon, remove the tracing paper from the machine and keep it in a polyethylene bag.
40%		Remove the paper from the machine after everyday use, and keep it in a polyethylene bag.
70%	"Void of image" occurs when you print with plain paper and tracing paper.	If you will not make print soon, remove the tracing paper from the machine and keep it in a polyethylene bag.
↓ High	"Void of image", "crease of paper" and other problems occurs when you print with plain paper and tracing paper.	1. Turn on the Dehumidify Heater.(if installed) 2. Remove the paper from the machine right after the completion of print, and keep it in a polyethylene bag.

⚠ NOTE

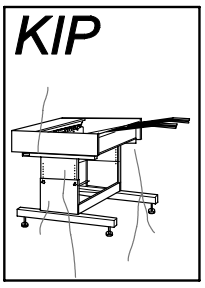
(1) KIP 3100 is equipped with the Dehumidify Heater (optional for the US).
Using it in high humidity environment (65% or higher) is recommended.
Refer to [2. 9 Dehumidifying Roll Paper] on page 2-18.

(2) "Void of image" and "crease of paper" will occur in case of extremely high or low humidity.

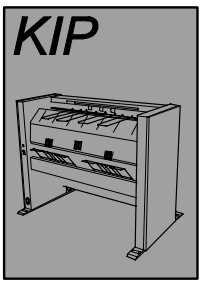
Normal Print

If the media is humidified; →

Crease of paper

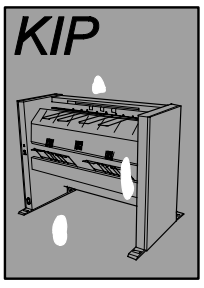


Normal Print



If the media is humidified; →

Loss of image



1. 2 Originals Prohibited from Duplication

It is not necessarily allowed to copy every kind of original.
You may be punished by the law if only you possess the copy of some kind of original.
We recommend you to consider enough before you copy such original.

[Originals prohibited from copying by the law]

1. It is not allowed to copy Currency (Bill, Money, Bank Note, etc.), Government issued Negotiable Instruments (National Bonds, Security, Local Debt Bonds, etc.).
2. It is not allowed to copy Foreign Currency or Foreign Negotiable Instruments.
3. It is not allowed to copy unused postal stamps or government postcards without permission to make replica from Government.
4. It is not allowed to copy Government issued revenue stamps, certificate stamps which are prescribed by Liquor Tax Act or the Commodity Tax Act.

[Special items to be cared]

1. It is warned by the government to copy private issued securities (stock certificate, draft, check, goods ticket, etc.), commutation ticket or book of tickets, excluding that some specific company copies such originals as many as it requires for its own business.
2. We recommend you not to copy freely such originals as government issued passport, public or private issued licenses, automobile inspection certification, IDs and tickets like pass or meal.

Reference Law	Prohibited items to copy
Regulations to control fake currency and Bond.	Currency (Bill, Money, Bank Note, etc.), Government issued Negotiable Instruments (National Bonds, Security, Local Debt Bonds, etc.)
Control Law against Forged & faked Foreign Currency, Bill, Bank Note and Bond	Foreign Currency or Foreign Negotiable Instruments
Forged postal stamps control law	Unused postal stamps or government postcards
Forged revenue stamps control law	Government issued revenue stamps, and certificate stamps prescribed by Liquor Tax Act or Commodity Tax Act
Currency similarity securities Control Law	Private issued securities (stock, draft, check, goods ticket, etc.), commutation or book tickets

[Originals protected by the copyright]

It is prohibited to copy such originals as book, music, paintings, printed copy, maps, drawings, movie and pictures which are protected by the copyright, except for personnel or family use or similar purpose.

1. 3 Features

(1) KIP 3100 Digital Printer is a Multi-Function Printer for scan, copy and print large format documents. Some of these features may be optional.

(2) The operation speed is 80mm/s (5.8 D / minute landscape).

(3) The maximum print width is 914mm (36 inches) wide, and the minimum one is 210mm or 8.5”. The maximum print length is 6,000mm (19.7 feet) (for 36 inch wide media), and the minimum one is 210mm or 8.5 inches.

(4) 600dpi Calibrated LED Head and the KIP Image Process System is used for the highest image quality.

(5) The combination of KIP Contact Development System and mono-component minute toner can produce a high definition line, distinctive grayscale and consistent solid black.
The KIP HDP process generates no Waste Toner.

1. 4 Specifications

1. 4. 1 General

Subject	Specification
Model	KIP 3100
Configuration	Console
Power consumption (Maximum)	1,440W (Including Scanner & Controller Unit)
Power consumption (Low power mode)	43.6W
Acoustic noise	Idling ..... Max. 60db Printing ..... Max. 65db Impulse sound ..... Max. 70db EN ISO 7779
Ozone	Max. 0.05ppm (Measurement method under UL Standard)
Dimensions	1266mm (Width) x 600mm (Depth) x 1107mm (Height) (UI is not included)
Weight	About 485lbs (219kg) (1 roll) About 511lbs (232kg) (2 roll)
Environmental condition for usage	(Temperature) 50 to 89.6 F (10 to 32 degrees Centigrade) (Humidity) 15 to 85% RH
Interface	Network Interface (10 BASE-T / 100 BASE-TX)
Input power	In the US : 120V plus/minus 10%, 50/60Hz, 12A In Europe : 220-240V plus 6% or minus 10%, 50/60Hz, 7A

⚠ NOTE

The above specifications are subject to change without notice.

1. 4. 2 Printer part

Subject	Specification
Printing method	LED Array Electro photography
Photoreceptor	Organic Photoconductive Drum
Print speed	80mm per second (Inch) ..... 3.4ppm/E 5.8ppm/D Landscape (Metric) ..... 3.3ppm/A0 5.6ppm/A1 Landscape
Print head	LED Array
Resolution of print head	600dpi x 600dpi
Print width	Maximum ..... 36" or 914mm Minimum ..... 11" or 297mm (roll media) 8.5" or 210mm (cut sheet)
Print length	Maximum (Standard) ..... 19.7ft (6,000mm) for 36" / A0 wide (plain paper) or "5 x Standard length" (plain paper) "2 x Standard length" (tracing paper) "1 x Standard length" (film) (Option) ..... 75ft (24,000mm) Minimum ..... 8.5" or 210mm **⚠ NOTE** If the print is longer than 6,000mm, its image quality or the reliability of paper feeding is not guaranteed.
Warm up time	Shorter than 4 minutes 30 seconds (At 23°C, 60%RH, the rated voltage, and plain paper is used)
First print time	18 seconds (D Landscape) (At 23°C, 60%RH, the rated voltage, and plain paper is used)
Fusing method	Heat and Pressure Rollers
Development method	Dry type non-magnetic mono-component toner
Media	(Recommended Media) US model: Bond Paper 64g/m^2 to 80g/m^2, US Bond (PB-20) Vellum US Vellum (XV-20) Film 4MIL (PF-4DDME) Europe/Asia model: Plain Paper 64g/m^2 to 80g/m^2, Oce Red Label (75g/m^2) Tracing Paper Oce Transparent Paper (80g/m^2) Film Oce 3.5MIL
Storage of consumables	(Toner cartridge) Store the cartridge within the temperature range from 0 to 35 degrees Centigrade and within the humidity range from 35 to 85% RH.

⚠ NOTE

The above specifications are subject to change without notice.

1. 4. 3 Scanner part

Subject	Specification
Scanning method	Contact Image Sensor (CIS) (5 pieces of A4 sized CIS)
Light source	LED (R/G/B)
Setting of original	Face up
Starting point of scan	Center
Scan width	Max: 36” or 914.4mm Min : 279.4mm
Scan length	Max: 19.7ft or 6,000mm (Including the margin area) Min : 8.5” or 210mm (Including the margin area)
Margin area	3mm from leading, trailing and both side edges
Optical resolution	600dpi
Digital resolution	200 / 300 / 400 / 600 dpi
Original transportation	Sheet through type
Transportable original thickness	Max: 1.60mm Min : 0.05mm **⚠ NOTE** If the original is thicker than 0.6mm, its image quality is not guaranteed.
Scanning speed	65 mm per second

⚠ NOTE

The above specifications are subject to change without notice.

1. 5 Appearance

1. 5. 1 Front view

No.	Name	Function
1	Main Switch	You can turn on/off the KIP 3100.
2	Original Guides	Feed the original under the Scanner Unit along the Original Guides.
3	User Interface	This is a Touch Screen, and many kinds of user operation are available.
4	Emergent Stop Button	Press this button when you would like to stop copying or scanning emergently.
5	Original Tray	These trays catch the original ejected from the Scanner Unit.
6	Scanner Unit	Read the original with this unit when you make scan or copy.
7	Toner Hatch (Original Table)	Open the Toner Hatch when you replace the Toner Cartridge. Also put the original here and then feed it into the Scanner Unit when you make scan or copy.
8	Engine Unit Open Lever	Pull up these levers when you open the Engine Unit.
9	Bypass Feeder	Feed a cut sheet paper from the Bypass Feeder.
10	Roll Deck	Roll paper can be set here. (You can set 1 roll paper normally, but 2 roll paper are available if you install the optional 2nd Roll Deck.)
11	Print Tray	Prints are stacked here after the ejection.
12	Counter	It counts the total amount printing.
13	Stylus	Use this to press buttons on the touch screen.

1. 5. 2 Rear view

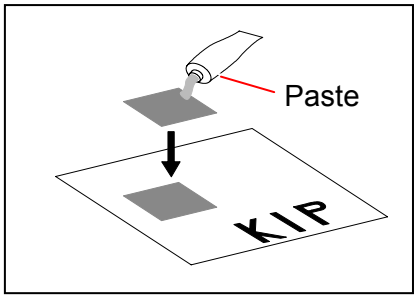
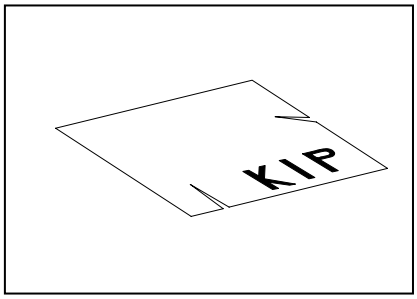
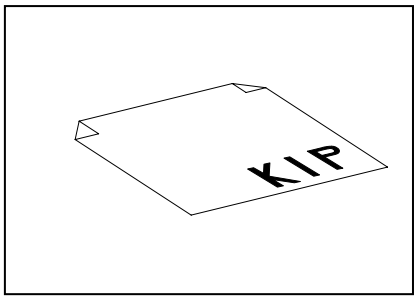
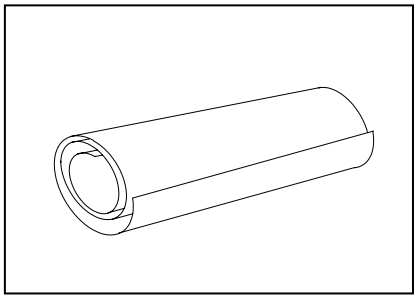
No.	Name	Function
1	Exit Cover	Open the Exit Cover when you remove the paper misfed inside the Fuser Unit.
2	LAN Port	Connect the LAN Cable to connect the KIP 3100 to the network. (Do not connect a telephone line)
3	Dehumidify Heater Switch (Optional in the US)	Turn on the Dehumidify Heater with this switch when you would like to dry the paper in the humid season.
4	Breaker	It is possible to shut off supplying the AC power.
5	Inlet Socket	Connect the Power Cord here.
6	Print Guide Trays	These trays guide the prints to the Print Tray.
7	COM Port (Optional)	Connect the cable from the Optional Device. (D-Sub Connector 9 pins: 12VDC max.)
8	USB Port	5VDC max.

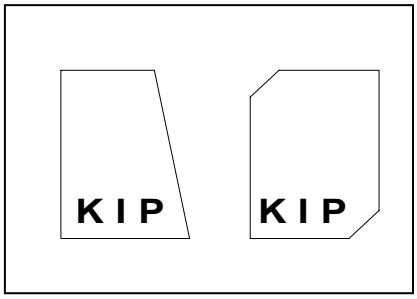
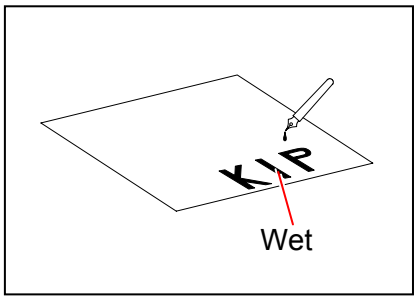
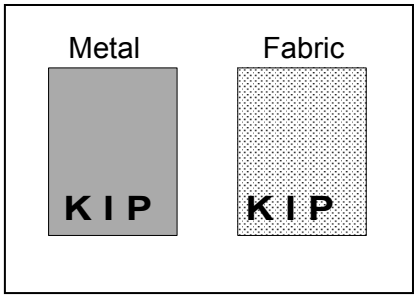
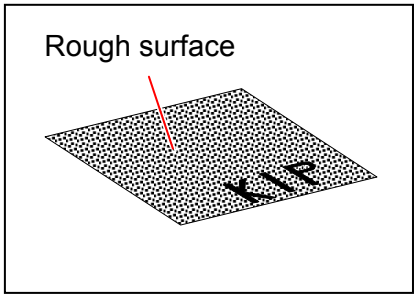
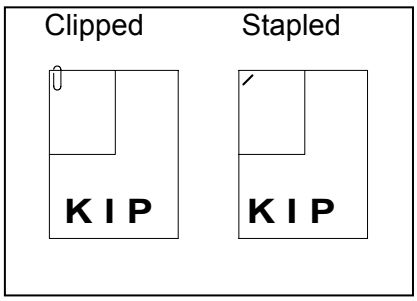
1. 6 Specifications for the Scan Original

A scan original must satisfy the following specifications.

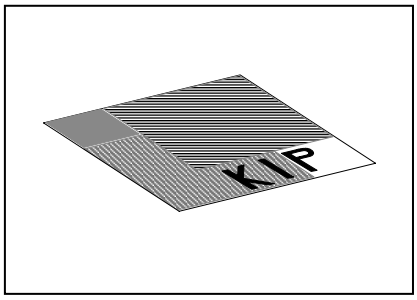
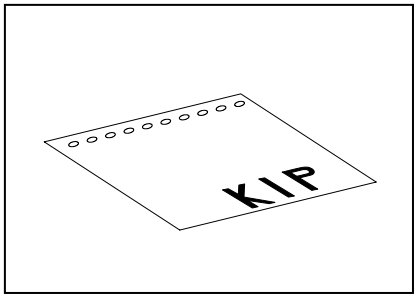
Thickness	0.05mm to 1.6mm
Width	279.4mm to 914.4mm
Length	210mm to 6,000mm

Do not scan the following kinds of originals. The original or the scanner may damage.

Sticked with paste	
Torn	
Folded (Leading edge)	
Excessively curled (a diameter of 50 mm or less)	

Not square	
Wet	
Metal or fabric material	
Rough surface (Carbon paper for example)	
Clipped or stapled	

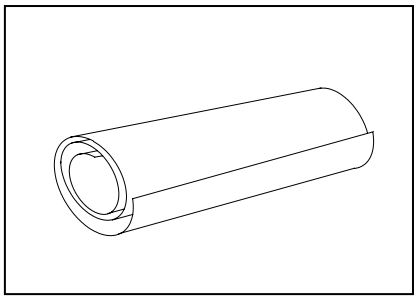
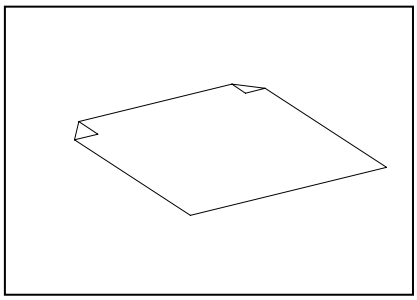
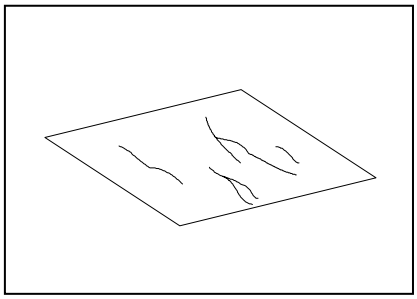
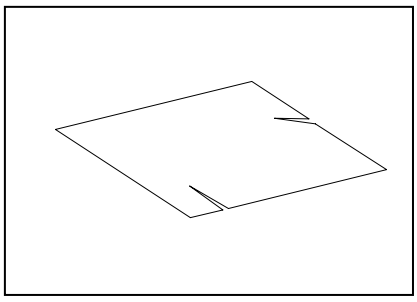
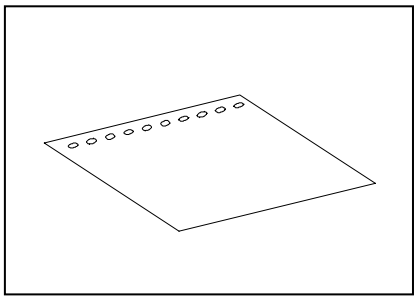
The following kinds of originals can be read with using a carrier sheet.
Image quality or the reliability of paper feeding for them is not guaranteed.

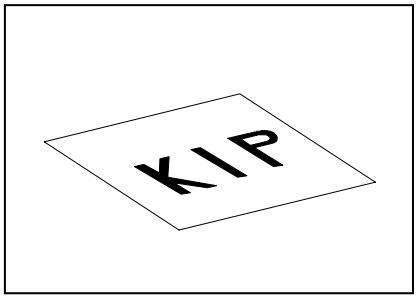
Patched	
Punched	

1. 7 Specifications for the Printing Paper

1. 7. 1 Papers not available to use

Do not use the following kinds of printing paper. Doing so may damage the print engine.

Excessively curled (a diameter of 50 mm or less)	
Folded	
Creased	
Torn	
Punched	

Pre-printed	
Extremely slippery	
Extremely sticky	
Extremely thin and soft	
OHP Film	

⚠ CAUTION

Do not use the paper with staple, or do not use such conductive paper as aluminium foil and carbon paper.
The above may result in a danger of fire

⚠ NOTE

(1) Print image may become light if printed on a rough surface of the paper.

(2) Print image may become defective if the print paper has an excess curl.

(3) It will become a cause for paper mis-feed, defective print image or paper creasing if you use a paper that does not satisfy the specification.

(4) Do not use a paper of which surface is very special, such as thermal paper, art paper, aluminium foil, carbon paper and conductive paper.

(5) Do not use papers with unpacked (exposed in high / low temperature & humidity) in a long period. Such papers may result in mis-feed, defective image or paper creasing.

(6) Tracing paper exposed to air over a long period tends to cause a defective printing. Removing one round on the surface of the tracing roll paper from the beginning is recommended.
Refer to [2.3 Replacement of Roll Paper] on page 2-5.

1. 7. 2 Keeping the paper in the custody

Keep the paper in the custody taking care of the following matters.

1. Do not expose the paper to the direct sunlight.
2. Keep the paper away from high humidity. (It must be less than 70%)
3. Put the paper on a flat place
4. If you will keep the paper in the custody, which you have already unpacked, put it into the polyethylene bag to avoid the humidity.

1. 7. 3 Treatment against environmental condition

Take a necessary treatment according to the environmental condition as shown below.

Humidity(%)	Possible problem	Necessary treatment
Low ↑	"Void of image", "crease of paper" and other problems occurs when you print with plain paper and tracing paper.	1. Install the humidifier in the room, and humidify the room air. 2. Remove the paper from the machine right after the completion of print, and keep it in a polyethylene bag.
	"Void of image" occurs when you print with tracing paper.	If you will not make print soon, remove the tracing paper from the machine and keep it in a polyethylene bag.
40%		Remove the paper from the machine after everyday use, and keep it in a polyethylene bag.
70%	"Void of image" occurs when you print with plain paper and tracing paper.	If you will not make print soon, remove the tracing paper from the machine and keep it in a polyethylene bag.
↓ High	"Void of image", "crease of paper" and other problems occurs when you print with plain paper and tracing paper.	1. Turn on the Dehumidify Heater.(if installed) 2. Remove the paper from the machine right after the completion of print, and keep it in a polyethylene bag.

⚠ NOTE

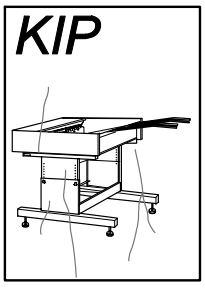
(1) KIP 3100 is equipped with the Dehumidify Heater (optional for the US).
Using it in high humidity environment (65% or higher) is recommended.
Refer to [2. 9 Dehumidifying Roll Paper] on page 2-18.

(2) "Void of image" and "crease of paper" will occur in case of extremely high or low humidity.

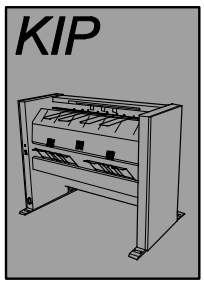
Normal Print

If the media is humidified; →

Crease of paper

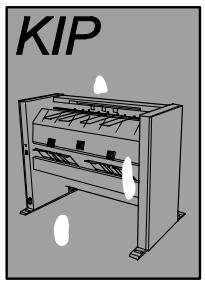


Normal Print



If the media is humidified; →

Loss of image



Chapter 2

Basic Operation

page

2. 1 Turning on KIP 3100 ..... 2- 2

2. 2 Turning off KIP 3100 ..... 2- 4

2. 3 Roll Media Replacement 2- 5

2. 4 Toner Cartridge Installation 2-10

2. 5 Cut Sheet Media Placement 2-14

2. 6 Copying 2-15

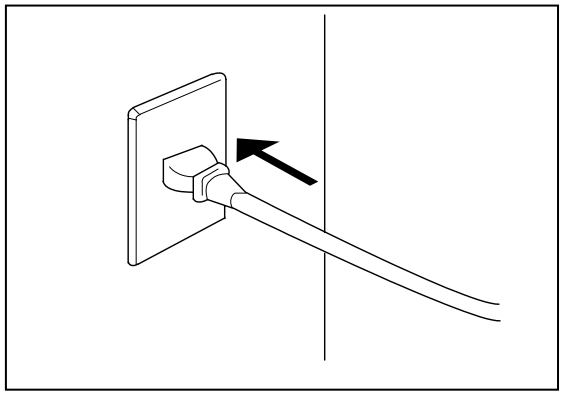
2. 7 Emergency Stop of Scan or Copy 2-16

2. 8 Canceling Sleep Mode 2-17

2. 9 Dehumidifying Roll Media 2-18

2. 1 Turning on KIP 3100

1. Ensure that the KIP 3100 is plugged into a dedicated wall outlet.



⚠ WARNING

(1) Do not handle the Power Plug with wet hands, or you may receive an electrical shock.

(2) Make sure to earth the machine for safety.

(3) Do not plug the printer into a multi-wiring connector in which other devices are plugged. It may overheat the outlet and may result in a fire.

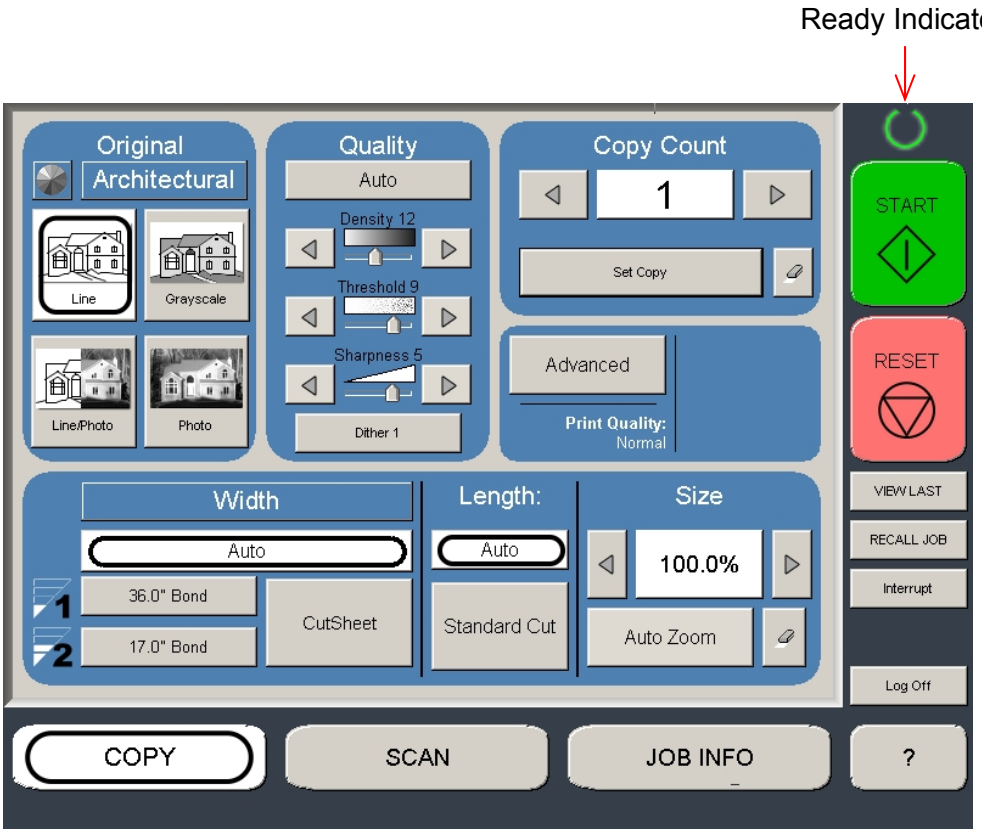
(4) The outlet must satisfy the following conditions.
In U.S.A. : 120V plus/minus 10%, 50/60Hz and 15A
In Europe : 220-240V plus 6% or minus 10%, 50/60Hz and 10A

2. There is a Power Switch on the right side of KIP 3100.
Press its " I " side to turn on the KIP 3100.

Power Switch

Press " | " side.

3. The User Interface (UI) starts operating, and displays the following Copy Mode Screen in one minute.
   A Ready Indicator on Copy Mode Screen will flash during warming up.



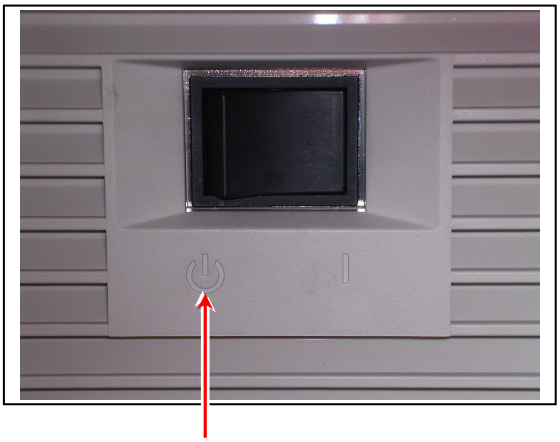
Note: The screen is shown with available options.

4. When the Ready Indicator stops flashing, the KIP 3100 is ready for operation.
   You can make a copy, scan (optional) or print (optional).

2. 2 Turning off KIP 3100

1. There is a Power Switch on the right side of KIP 3100.
   Press its "⏻" side to turn off the KIP 3100.

Power Switch



Press "⏻" side.

⚠ CAUTION

The KIP 3100 print engine and UI appear to be shut down when you turn off KIP 3100. However, the controller PC embedded inside the KIP 3100 is still operating and will shutdown in approximately two minutes after Power Switch operation.

Do not unplug the KIP 3100 before the controller PC completes its shutdown. Doing so may damage data or the device.

2. 3 Roll Media Replacement

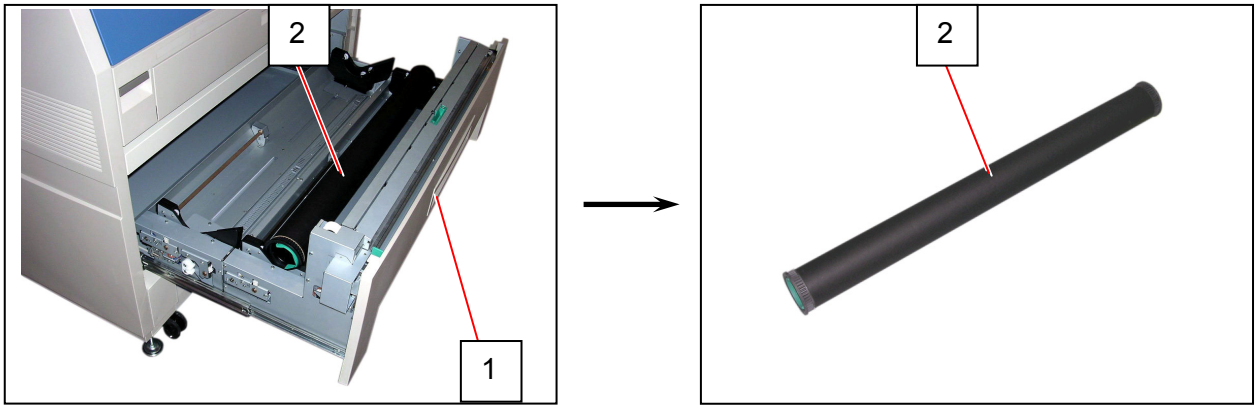
NOTE

(1) A paper mis-feed tends to occur just before out of a roll paper.
(2) A tracing roll paper is recommended to be loaded to Roll Deck 1 (front).

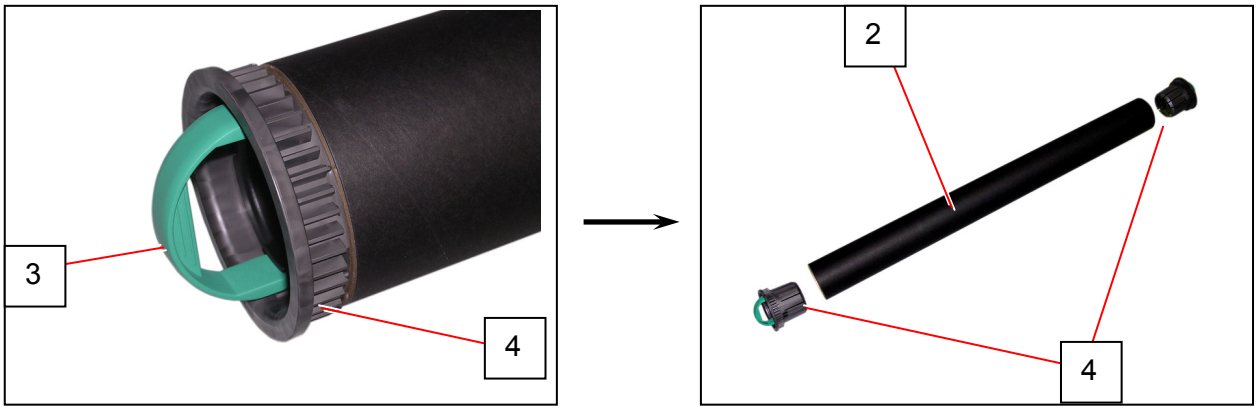
Reference

This section describes how to install a roll media to Roll Deck 1.
The same procedure is applied to Roll Deck 2, unless otherwise noted.

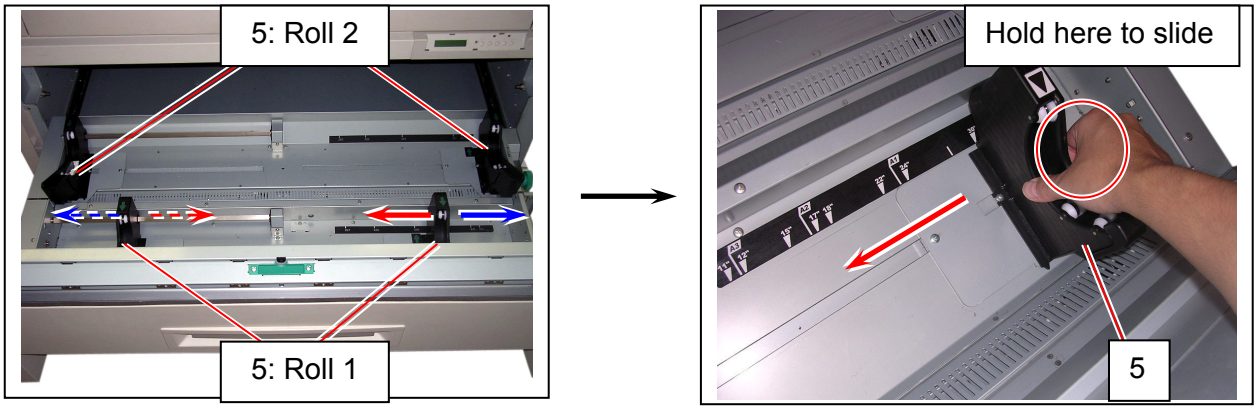
1. Open Roll Deck (1) and remove an empty roll core (2).



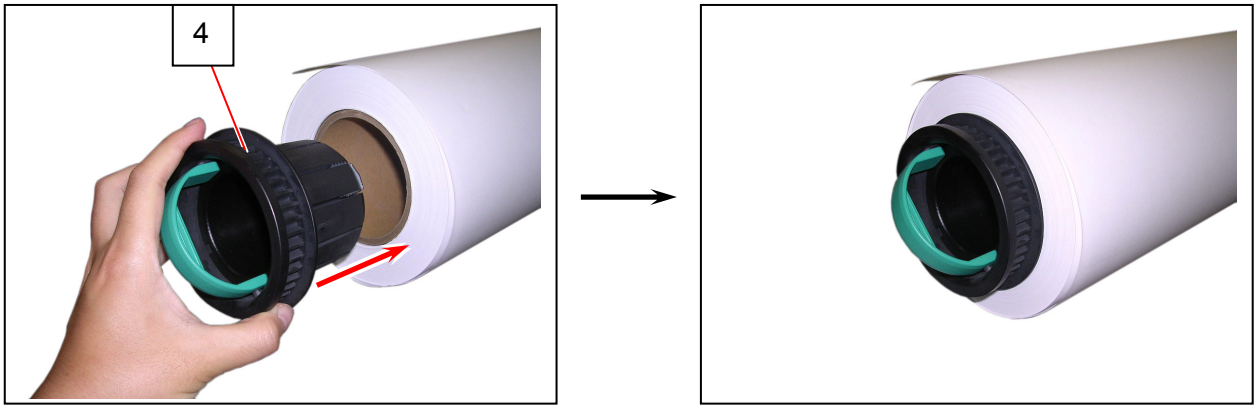
2. Raise the lever (3) on Flange (4) and remove 2 Flange (4) from the roll core (2).



3. Move a right Slide Guide (5) to match your roll media's width.
The right and left Side Guides will automatically move together.

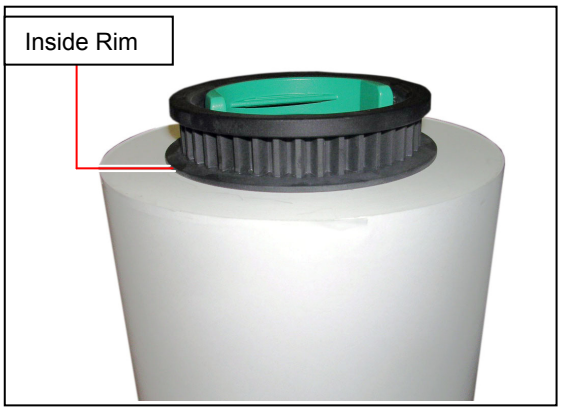


4. Insert each Flange (4) into both ends of the roll media core to be installed.

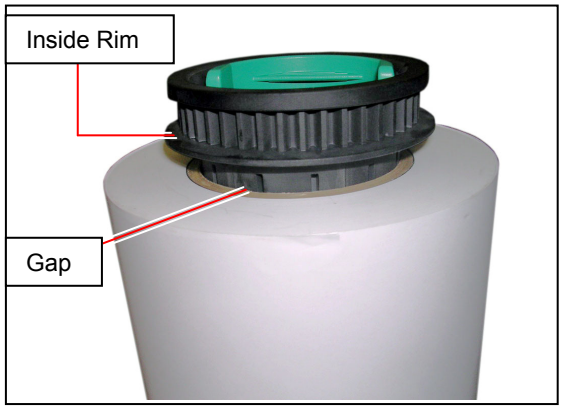


NOTE

(1) Fully insert Flange into the roll media core so that the inside rim of Flange evenly touches the side face of the roll media.

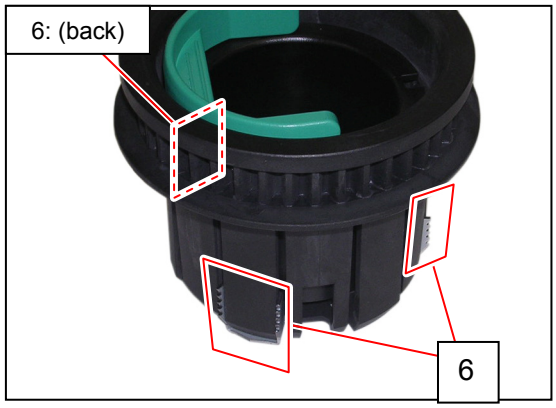


Correct: Fully inserted

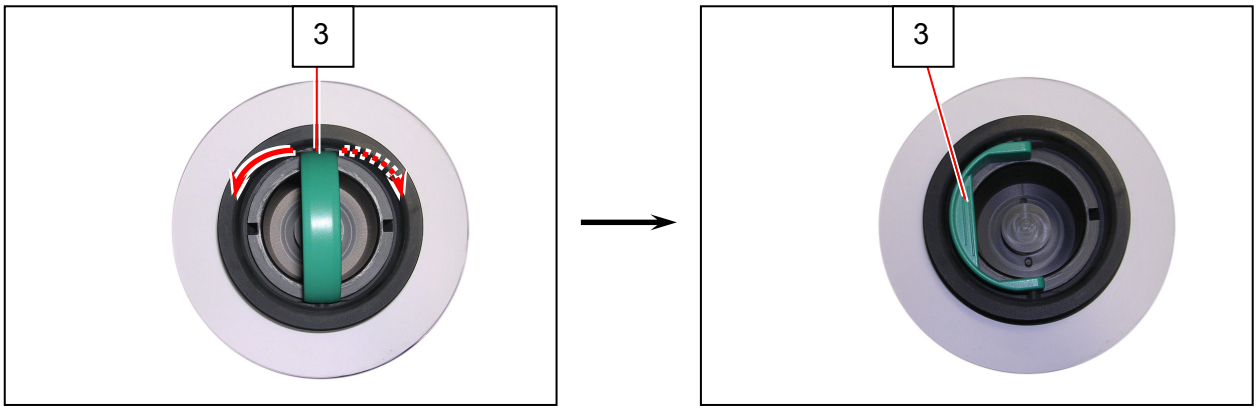


Wrong: not touching roll side

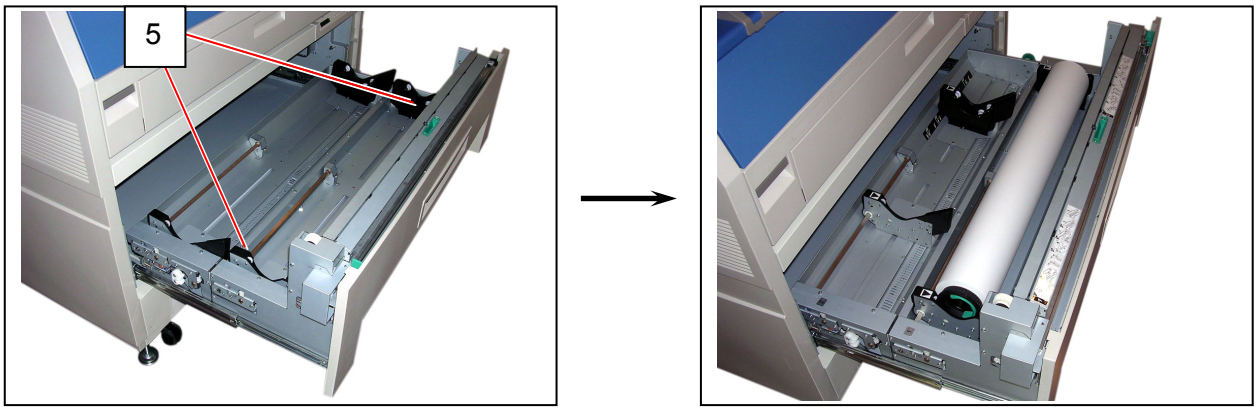
(2) Flange has Stoppers (6) with sharp edge. Be sure not to touch them.



5. Push both the levers (3) down in either way. Position them flat against Flange to secure the roll media.

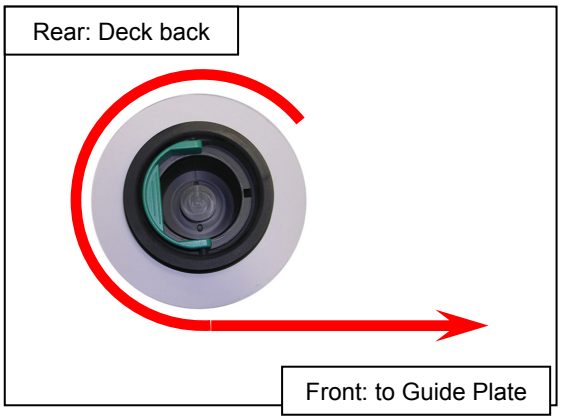


6. Lift the roll media by holding both Flanges. Lower Flanges onto Slide Guides (5) in Roll Deck.

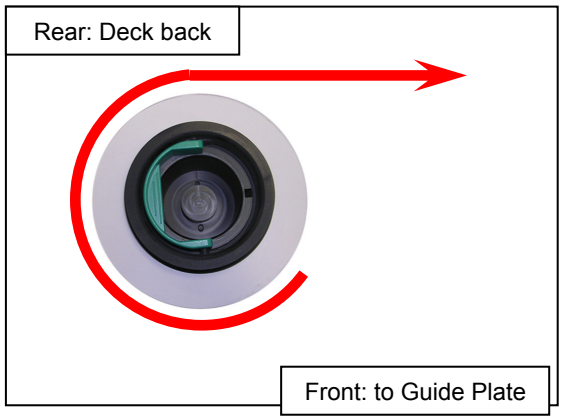


NOTE

(1) Note the rewinding direction.



Correct: Edge comes from bottom

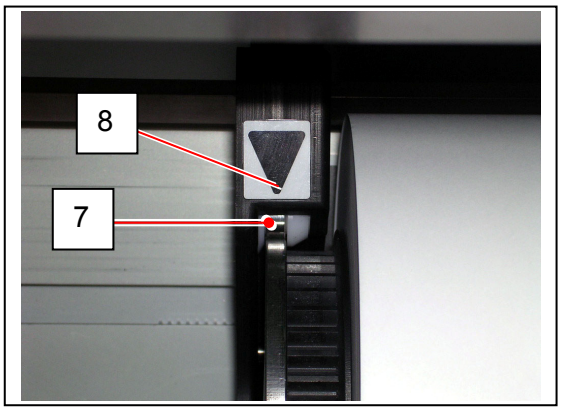


Wrong: Edge comes from top

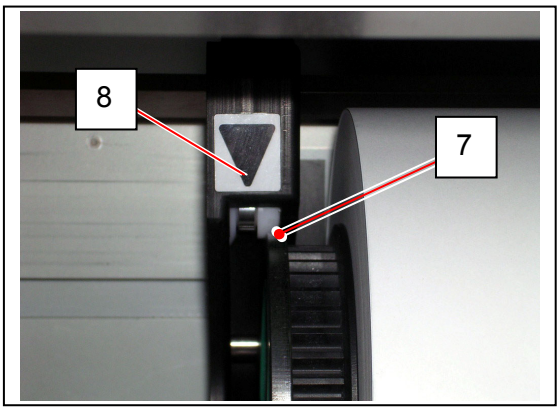
(continued on the next page)

NOTE

(2) The outside rim (7) of Flange should meet the black triangle (8) marked on Slide Guide. Otherwise the roll media may fall in Roll Deck or result in an incorrect media feeding.

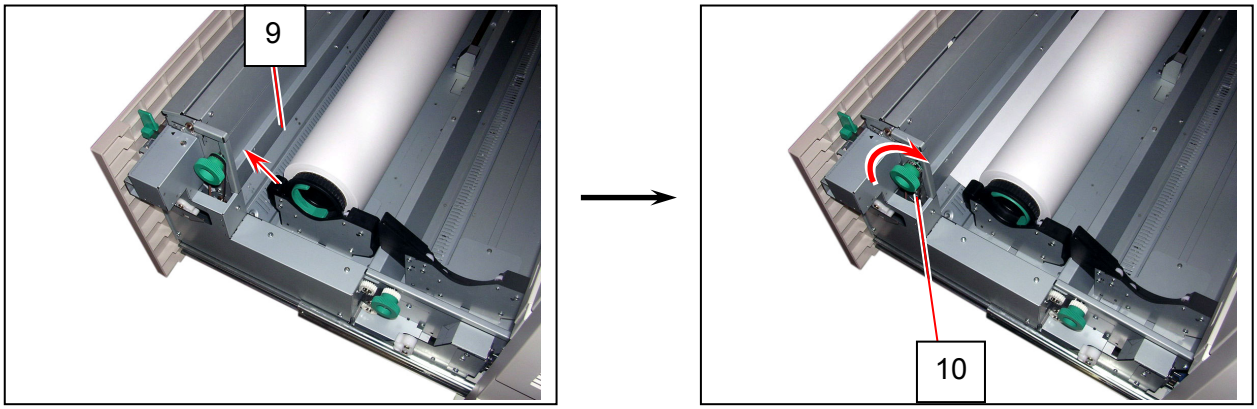


Correct



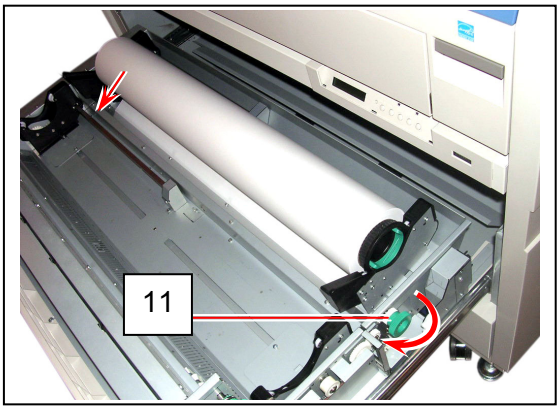
Wrong

7. Insert the leading edge of the roll media under Guide Plate (9) until it touches the feeding roller. Rotate Feed Knob (10) clockwise so that the feeding rollers catch the leading edge.

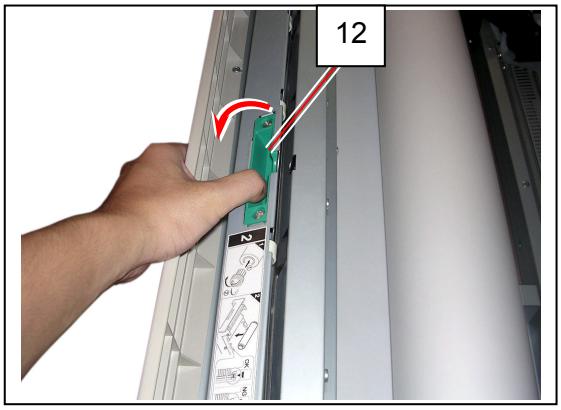


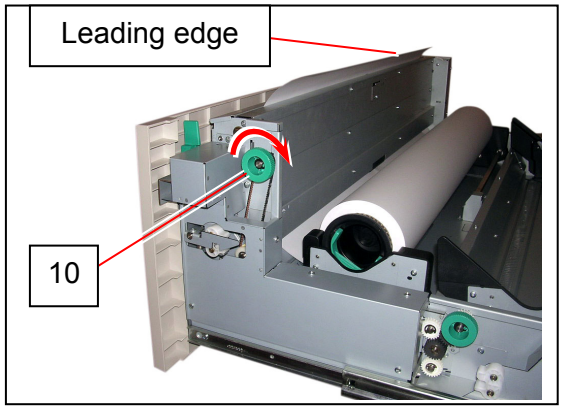
NOTE

Use the rear Feed Knob (11) for Roll Deck 2.

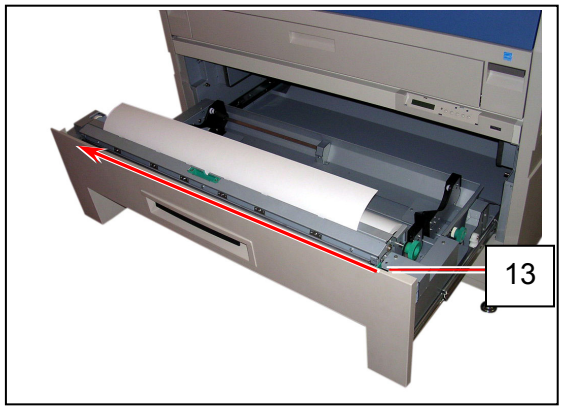


8. Hold the green grip (12: on the middle of Guide Plate) and turn Guide Plate outside.
With holding, rotate Feed Knob (10) again so that the leading edge comes out in 100mm.



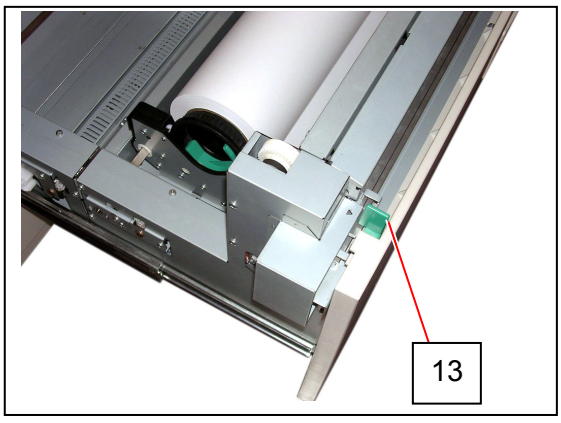


9. Slide the green Cutter Knob (13) fully from one side to the other to make a new straight edge.
Remove the cut portion.

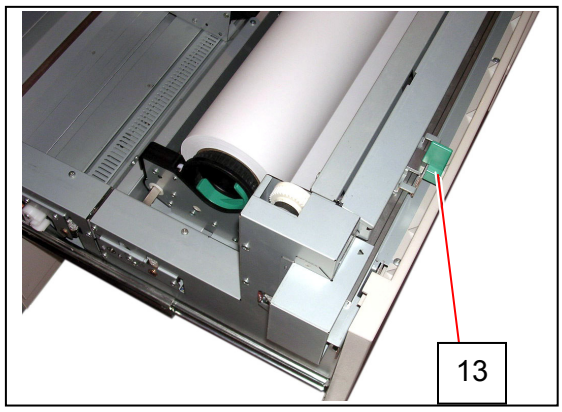


NOTE

Completely slide Cutter Knob (13) until it stops at either end.
Not doing so may cause a paper jam.



Correct



Wrong

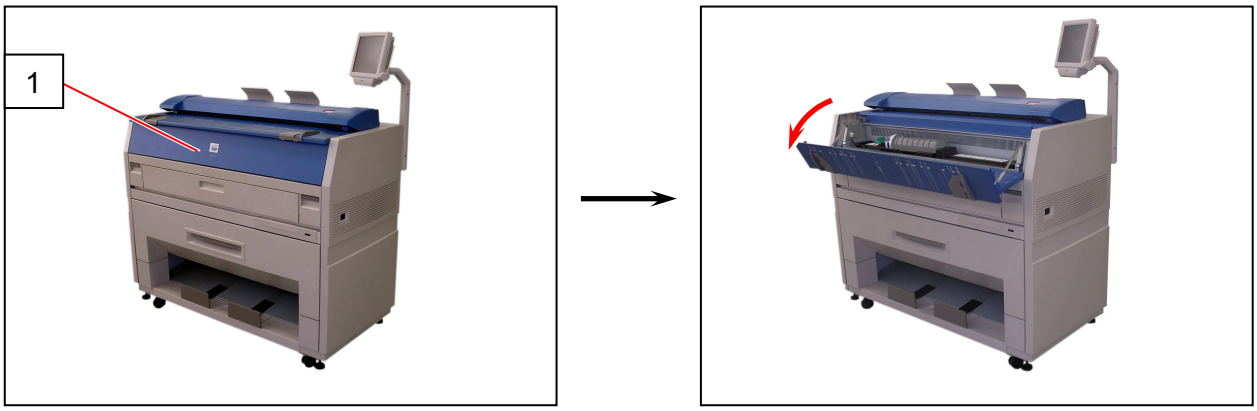
10. Close Roll Deck.

NOTE

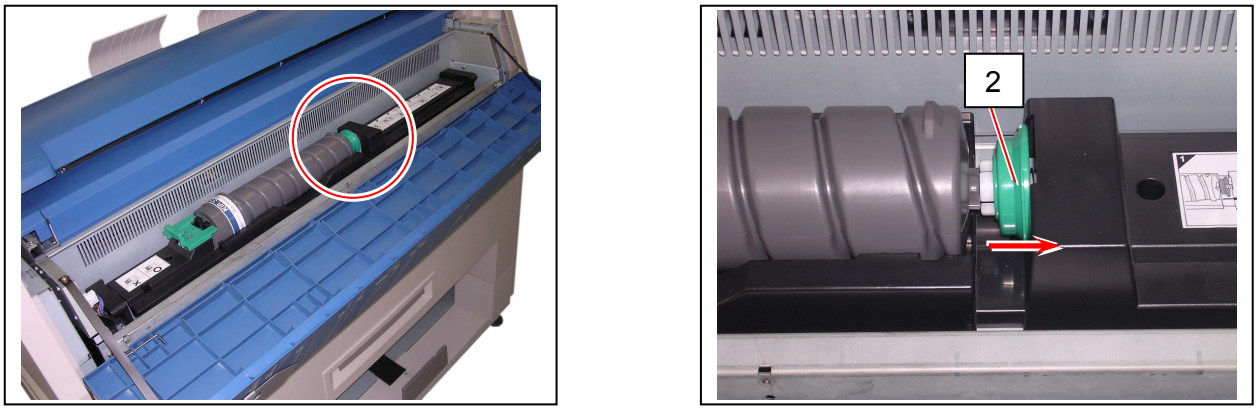
Be sure to close the Roll Deck fully until it locks at the correct position.
A paper jam may occur if it is not locked firmly.

2. 4 Toner Cartridge Installation

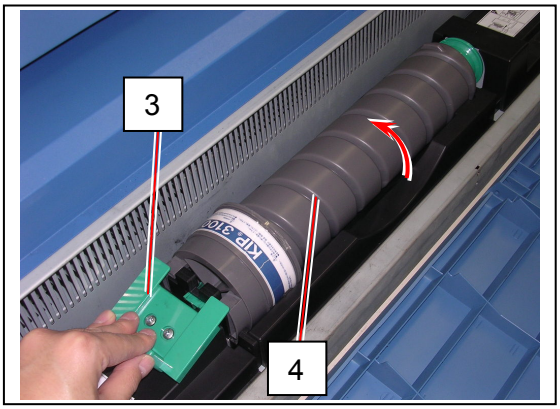
1. Open the Toner Hatch (1).



2. Slide the green Lever (2) to the right to unlock the Toner Cartridge.
   (Lever (2) is held automatically.)

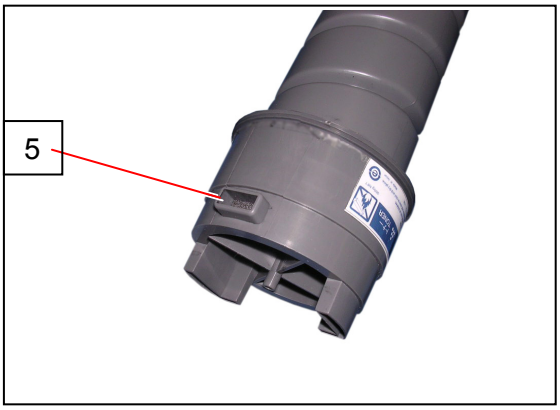


3. Pressing down the Cartridge Lock Lever (3), turn the body (4) of cartridge to the arrow direction until it stops.
(You can close the toner supply hole of the cartridge firmly by this treatment.)

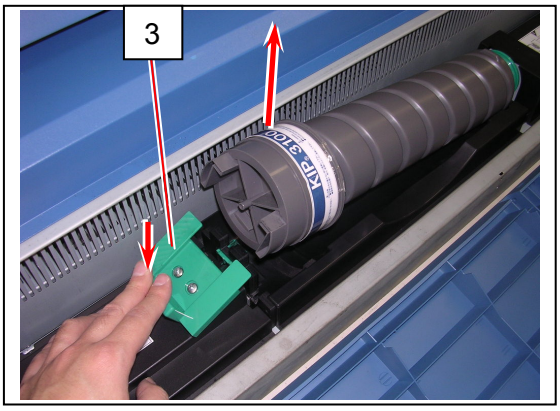


NOTE

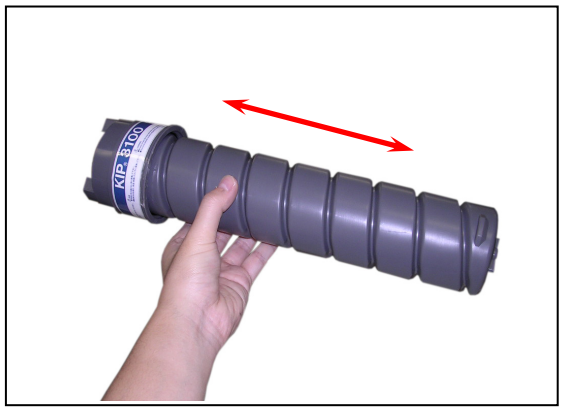
The toner may drop from the toner supply hole, and it may scattered into the machine or on the floor if you remove the Toner Cartridge without closing the toner supply hole (5).



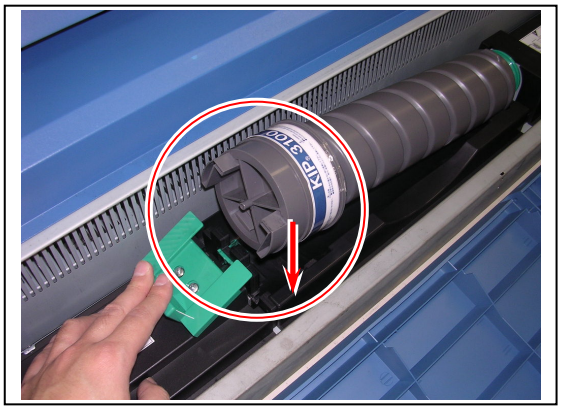
4. Pressing down the Cartridge Lock Lever (3), bring up the left side of the Toner Cartridge first , and then remove the whole cartridge from the machine.

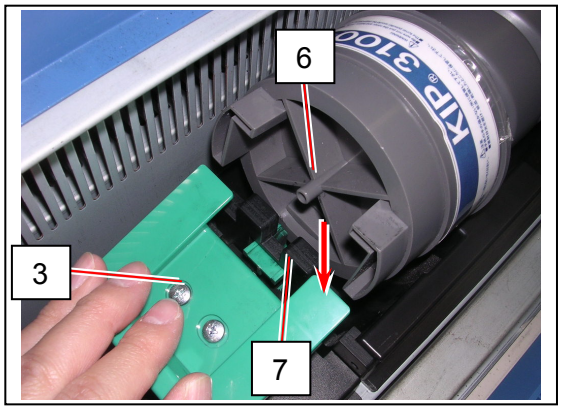


5. Shake the new Toner Cartridge several times left and right to make the toner smooth.



6. Pressing down the Cartridge Lock Lever (3), fit the pin (6) on the left side of cartridge to the groove (7) on the machine side.

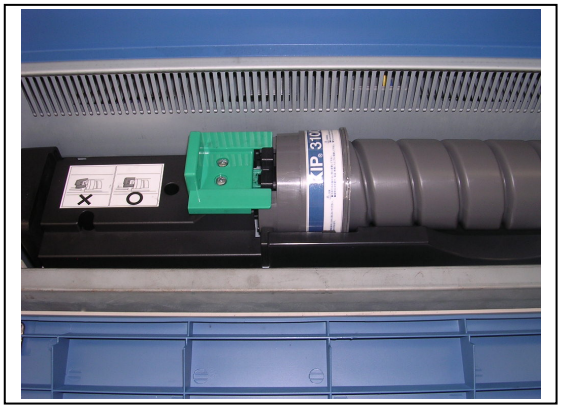




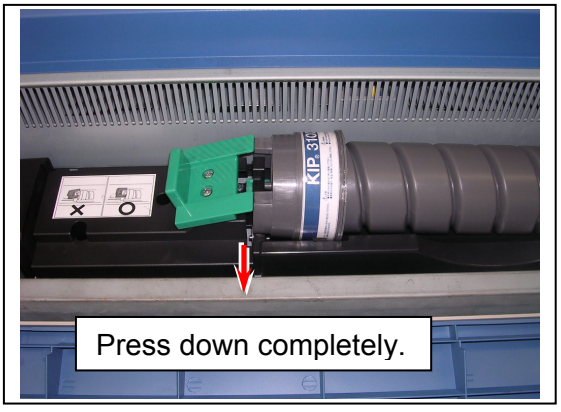
NOTE

Please confirm that the Cartridge Lock Lever (3) firmly locks the Toner Cartridge at the correct position. (It must be at a level position.)

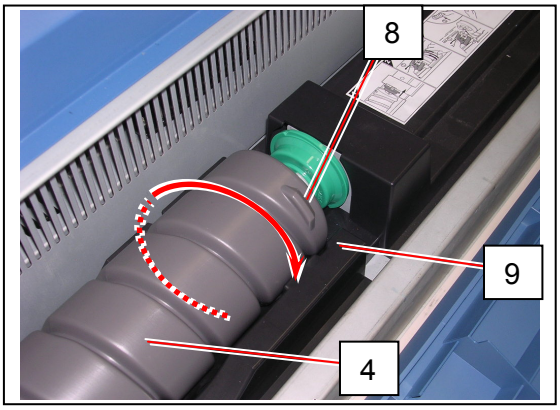
Good



No good

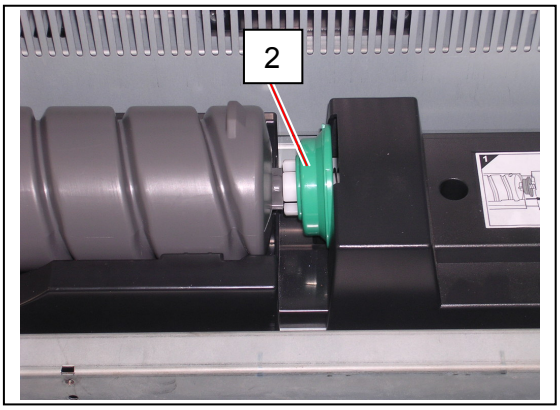


7. Turn the body (4) of the cartridge in one revolution to the arrow direction to open the toner supply hole.
   Confirm that the projection (8) if fitted into the notch (9).

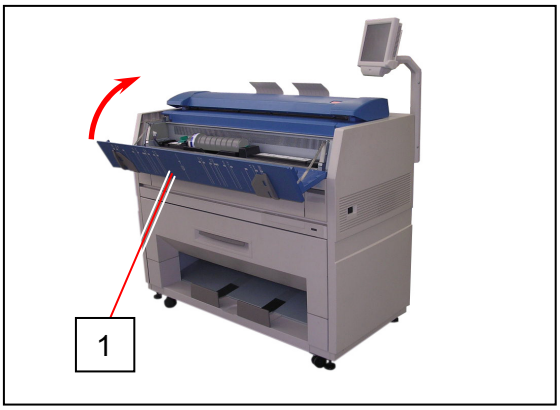


NOTE

It is not necessary to lock the cartridge with the Lever (2).
Lever (2) will engage on its own after closing the Toner Hatch.

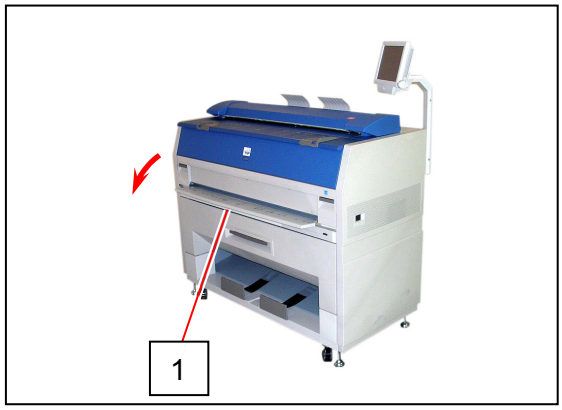


8. Close the Toner Hatch (1).



2. 5 Cut Sheet Media Placement

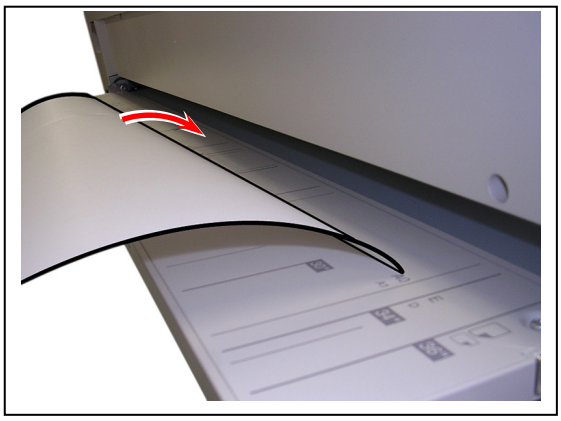
1. Open the Bypass Feeder (1).



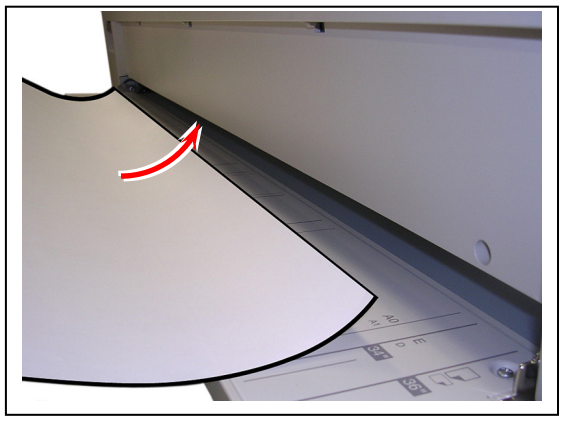
2. There are several size markings on the table of Bypass Feeder which indicate possible feed positions.
   Place the cut sheet paper on the table between its concerning size markings then insert it into the Bypass Feeder.
   When the leading edge touches the feeding roller, the machine automatically carries and sets the paper at the proper position.

NOTE

As a curly cut sheet will cause a mis-feed, straighten the sheet as far as possible before printing. And set the sheet in “curl down” direction as a mis-feed can be avoided. “Curl up” sheets tend to result in a mis-feed.



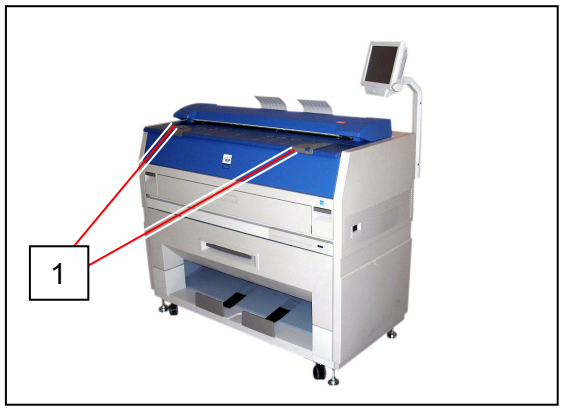
Correct (curl down)



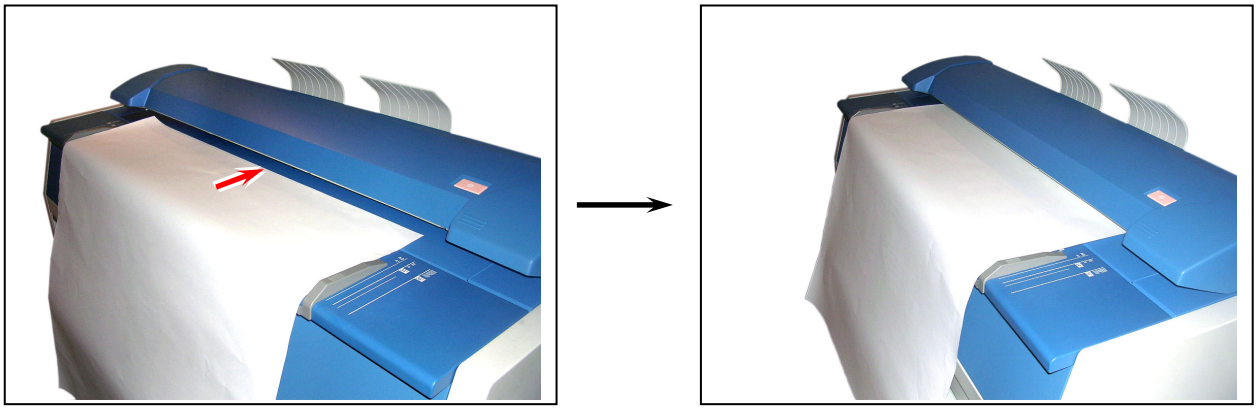
Incorrect (curl up)

2. 6 Copying

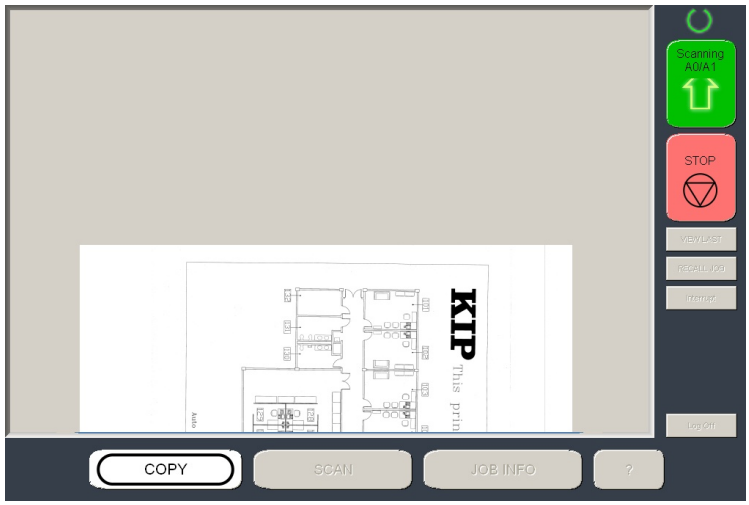
1. There are several size markings on Original Table which indicate possible feed positions.
   Line up Original Guides (1) with the proper markings according to the original width.



2. Place the original on the Original Table with face up.
   Then insert it under the Scanner Unit along with Original Guides.
   When the leading edge touches the original feeding roller, the machine automatically carries and sets the original at the proper position.



3. The KIP 3100 will start the print process.

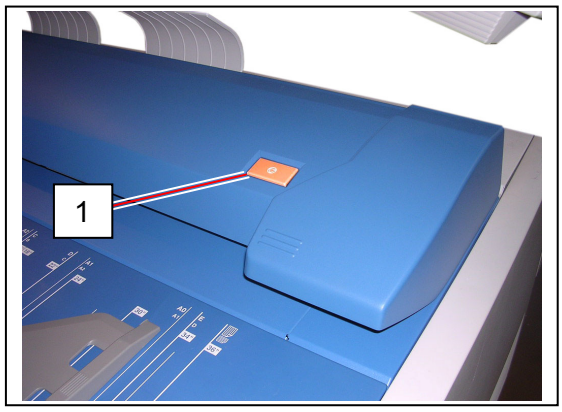


NOTE

The scanner unit does not accept originals automatically during Sleep Mode. Touch any area in the touchscreen and then insert an original.

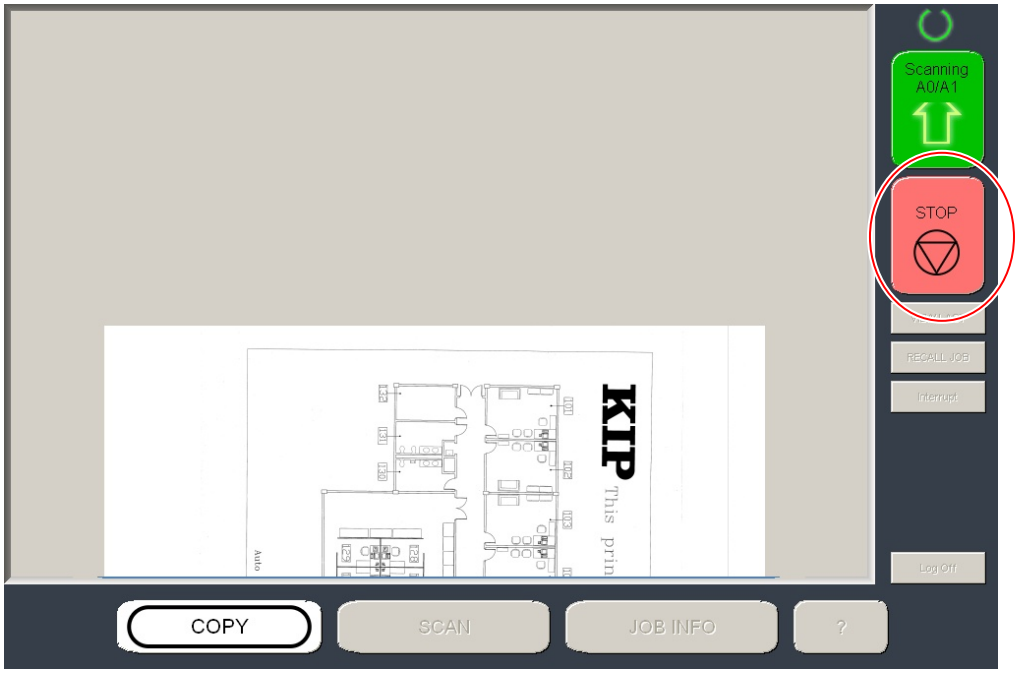
2. 7 Emergency Stop of Scan or Copy

If necessary, press the Emergency Stop Button (1) on the Scanner Unit to immediately stop the original while making a copy or scan.



Pressing the button stops the current reading a document immediately. The current printing is stopped as well and is ejected.

[Stop] on the touch screen will work as the same function.



NOTE

Do not pull back or hold down the original on Original Table as an attempt to stop feeding it through Scanner Unit.

2. 8 Canceling Sleep Mode

The KIP 3100 has two Sleep Modes to reduce the power consumption.
The KIP 3100 will enter Sleep Mode after a certain period of inactivity.

In the default setting;

- Warm Sleep Mode will start after a 15 minute of inactivity in order to reduce the power supply for Fuser Unit.
- Cold Sleep Mode will start after a 60 minute of inactivity to stop the power supply for Fuser Unit and some other components.

Sleep Mode is canceled and the machine gets ready when;

- the machine receives a print job through the network.
- the UI is touched and an original is inserted into the scanner.

> **NOTE**
>
> (1) It may take time for the machine to get ready.
> (2) Touching the UI can cancel the screensaver but cannot cancel Sleep Mode. It may need another waiting time to start warming up for copying / printing.

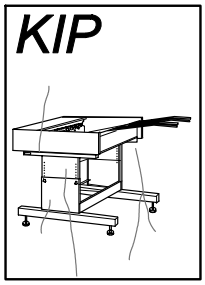
2. 9 Dehumidifying Roll Media

If the roll paper is extremely humidified, it may cause several kinds of defective print.
Defective prints you will experience most will be “crease of paper” and “loss of image”.

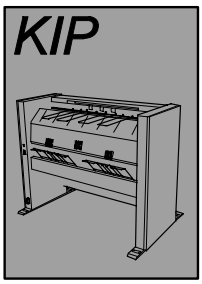
Normal Print

If the media is humidified;

Crease of paper

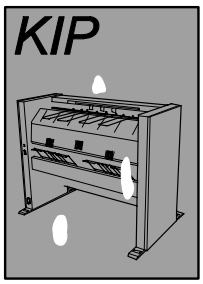


Normal Print



If the media is humidified;

Loss of image

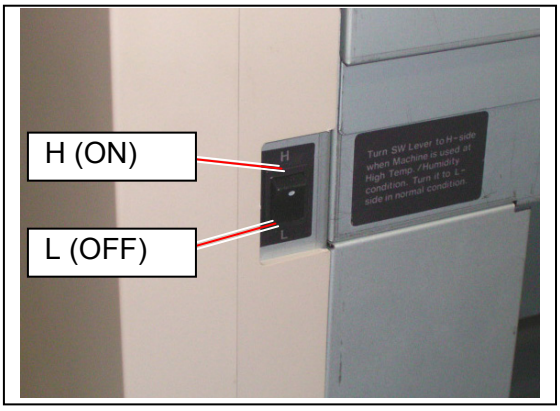


Turn on the Dehumidify Heater if the room air has too much humidity (65% or higher) to prevent the above kinds of print defect.
You may be able to fix the above kinds of problem.

NOTE

KIP 3100 is equipped with the Dehumidify Heater (optional for the US)
If needed, contact the service personnel for detail.

To turn on the Dehumidify Heater, press the H side of the Dehumidify Heater Switch on the rear. (Press its L side to turn off.)



Dehumidify Heater Switch

Chapter 3

Error Correction

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3. 1 Operator Call Errors

3. 1. 1 Paper mis-feed errors

NOTE

(1) Take care not to get paper cuts on your hand.

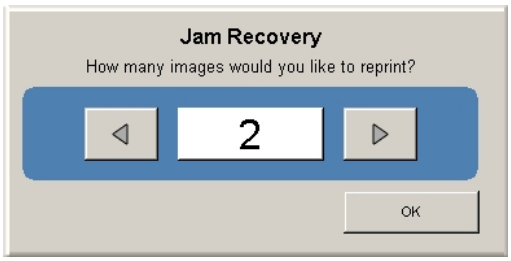
(2) Take off your ring, bracelet or watch when clearing paper jam. If they touch to internal components, it may result in a burn, an electric shock or damage to components.

(3) Gently remove a jammed paper. When it does not reach Fuser Unit, toner on it may spill off.
If toner gets into eyes or your mouth, immediately rinse them with water and contact a doctor.

(4) Gently remove a jammed paper. When it does not reach Fuser Unit, toner on it may spill off on your cloth.
Dust off your cloth. Use cold water to wash in out. Using hot water may leave a stain.

(5) If a paper jam occurs using multiple copy and set copy, Jam Recovery screen will appear in the UI. Jam Recovery reprints the removed sheets.

Enter a number of the images to be reprinted with the arrow buttons.
The available number ranges from 1 to 9, and the default is “2”.

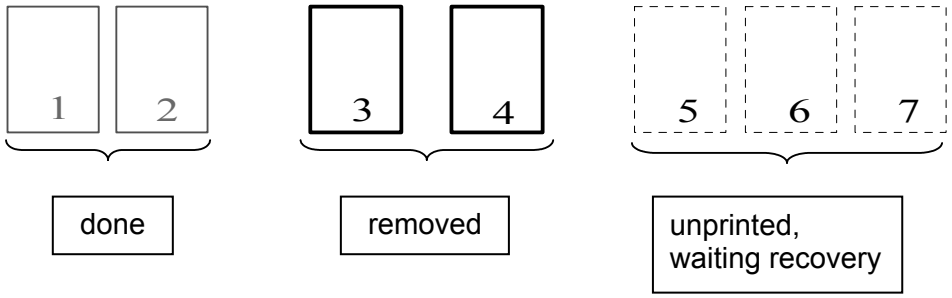


The number of images to be reprinted is equivalent to the amount of the removed sheets.

The number of images that have not been removed (already printed or unprinted images) should not be included.

Unprinted images (not started yet because of the jam failure) will be resumed on recovery of the machine.

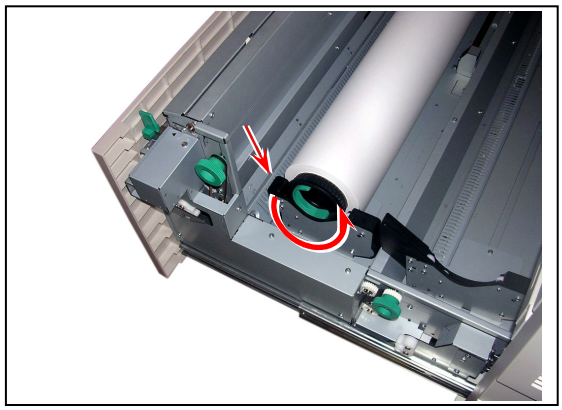
Ex: While making a 7-sheet set copy, you remove sheets No.3 and 4 because of a jam
→ The required number (to be reprinted) is “**2**”.



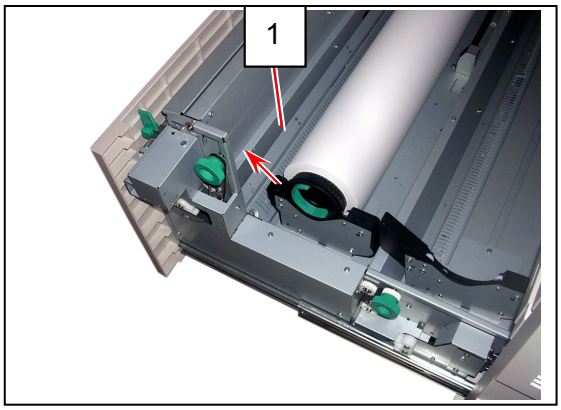
3. 1. 1. 1 Deck Jam / Feeding Jam

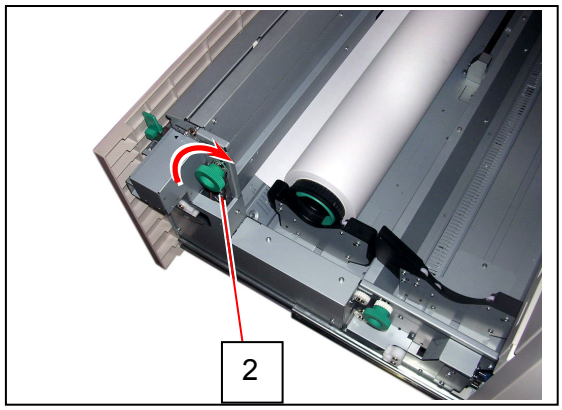
Either of “Deck is jam” or “Feeding Jam” will be indicated when the roll paper is mis-fed in the Roll Deck.

1. Open the Roll Deck, and then rewind the roll paper.



2. Insert the leading edge of roll paper under the Guide Plate (1) until the edge touches the feeding roller.
   Then rotate the Paper Feeding Knob (2) clockwise so that the feeding rollers catch the roll paper.

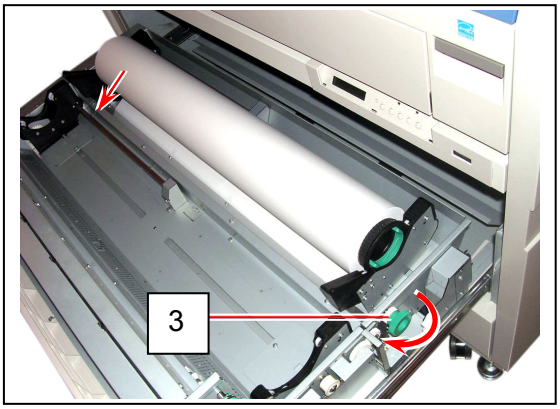




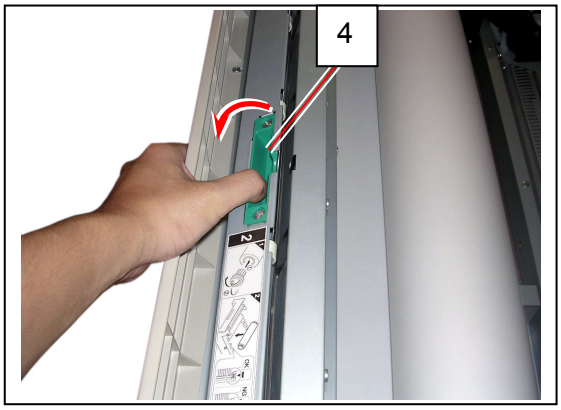
NOTE

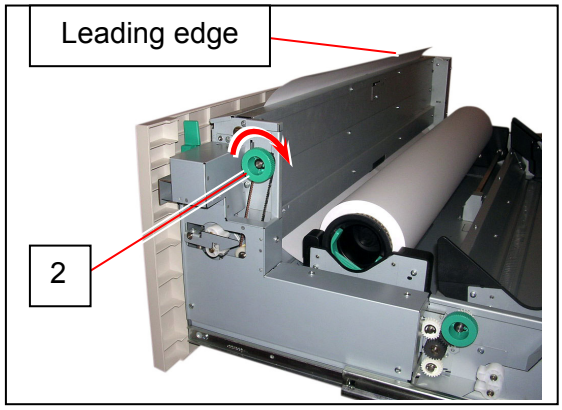
The leading edge should be trimmed with a cutter in case of an extreme crease.

For Roll 2, use the Paper Feeding Knob on the rear side (3).

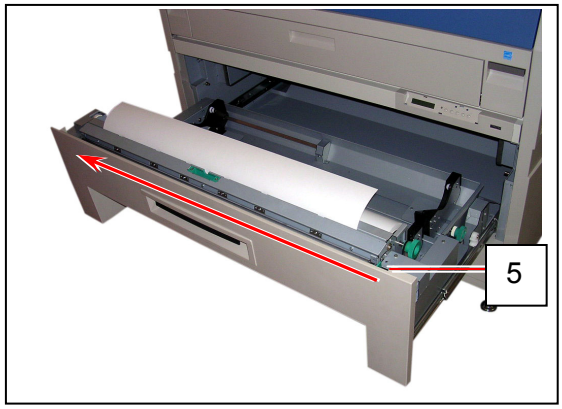


3. When the feeding rollers catch the paper, turn the middle of the Guide Plate 6 (4) outside. Rotate the Paper Feeding Knob (2) again until the leading edge comes out in 100 millimeters.



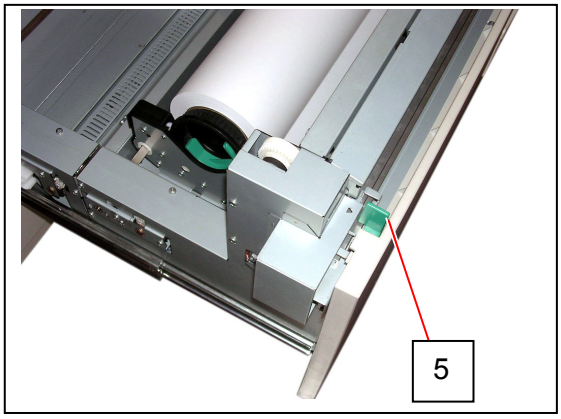


4. Slide the green Cutter Knob (5) one side to another completely to make a new straight edge. Remove the cut portion.

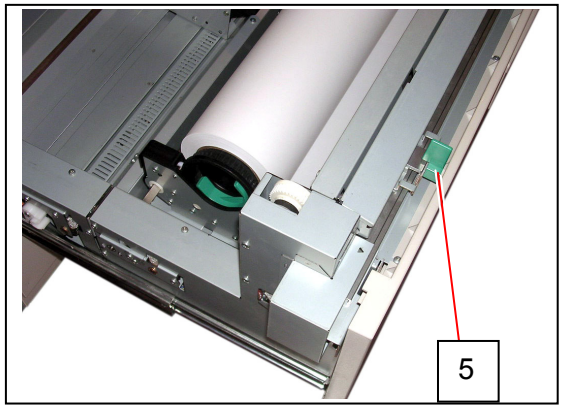


NOTE

Completely slide Cutter Knob (5) until it stops at either end.
Not doing so may cause a paper jam.



Correct: Cutter Knob at end



Wrong: Cutter Knob at middle

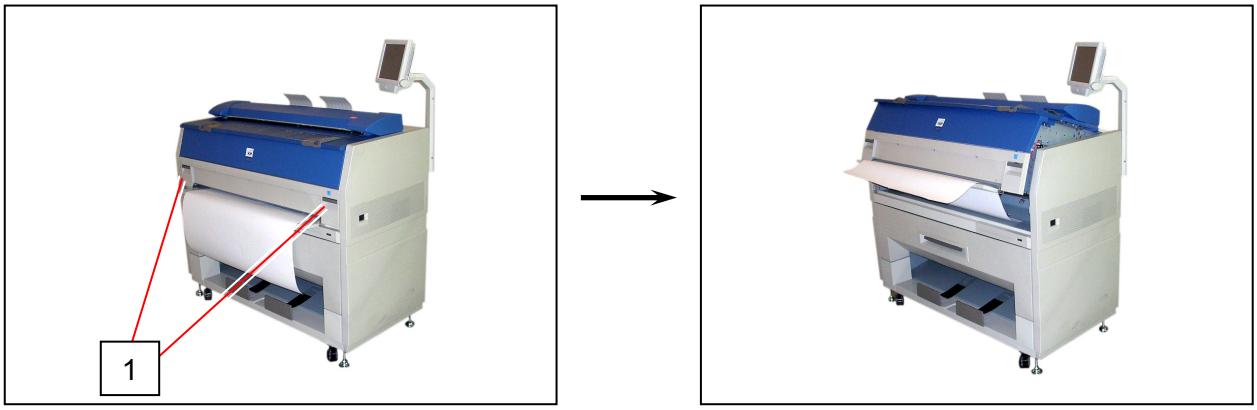
5. Close Roll Deck.

NOTE

Be sure to close the Roll Deck fully until it locks at the correct position.
A paper jam may occur if it is not locked firmly.

3. 1. 1. 2 Manual Jam

1. Pull up the Engine Unit Open Levers (1) to open the Engine Unit.

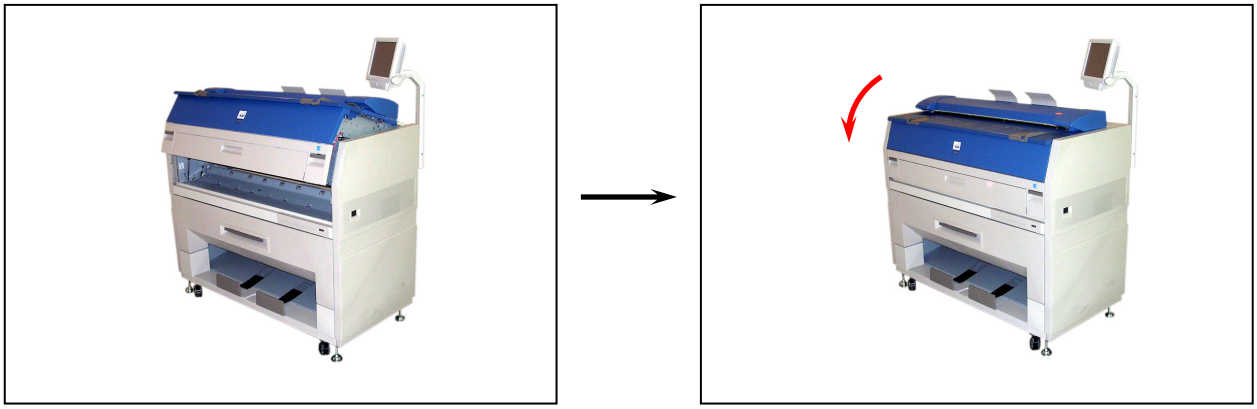


NOTE

Do not open the Engine Unit when the Scanner Unit is opened.
If the Scanner Unit is opened, it will hit the bottom of User Interface.

2. Remove the mis-fed paper pulling frontward.

3. Close Engine Unit.



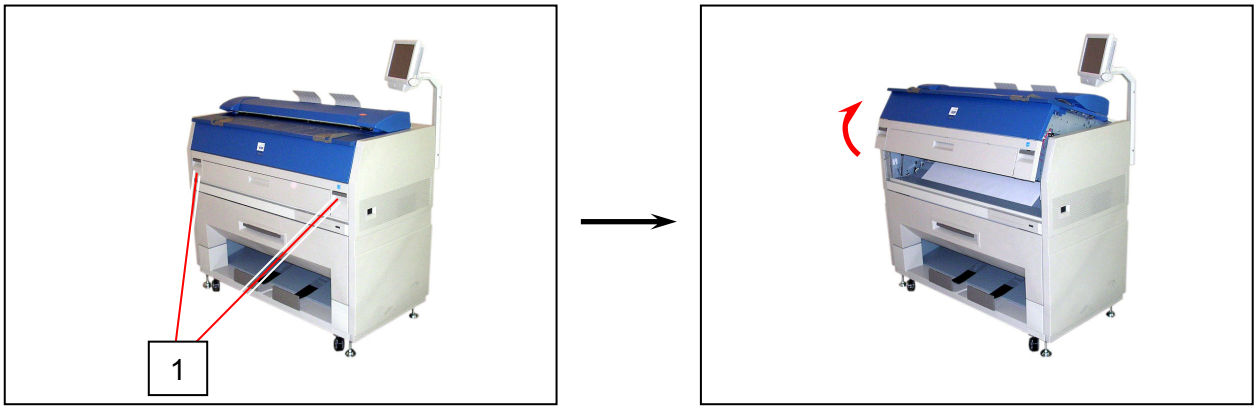
NOTE

(1) Be sure to close the Engine Unit firmly until it is locked at the correct position.

(2) The mis-fed paper can be replaced with a new one, or be inserted at the opposite edge to the feeder. An extreme crease may cause a paper jam.

3. 1. 1. 3 Reg. Jam / Internal Jam

1. Pull up the Engine Unit Open Levers (1) to open the Engine Unit.

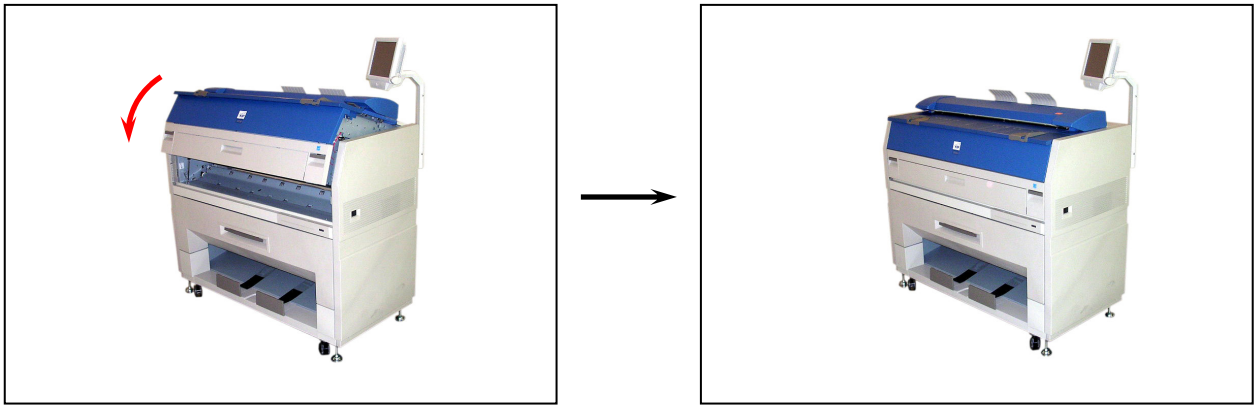


NOTE

Do not open the Engine Unit when the Scanner Unit is opened.
If the Scanner Unit is opened, it will hit the bottom of User Interface.

2. Remove the mis-fed paper.

3. Close the Engine Unit firmly.

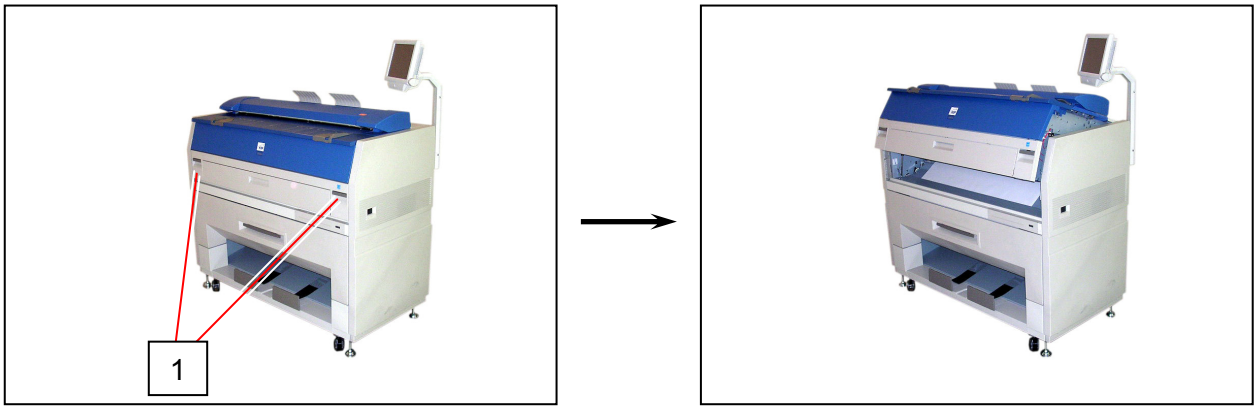


NOTE

Be sure to close the Engine Unit firmly until it is locked at the correct position.

3. 1. 1. 4 Fuser Jam

1. Pull up the Engine Unit Open Levers (1) to open the Engine Unit.

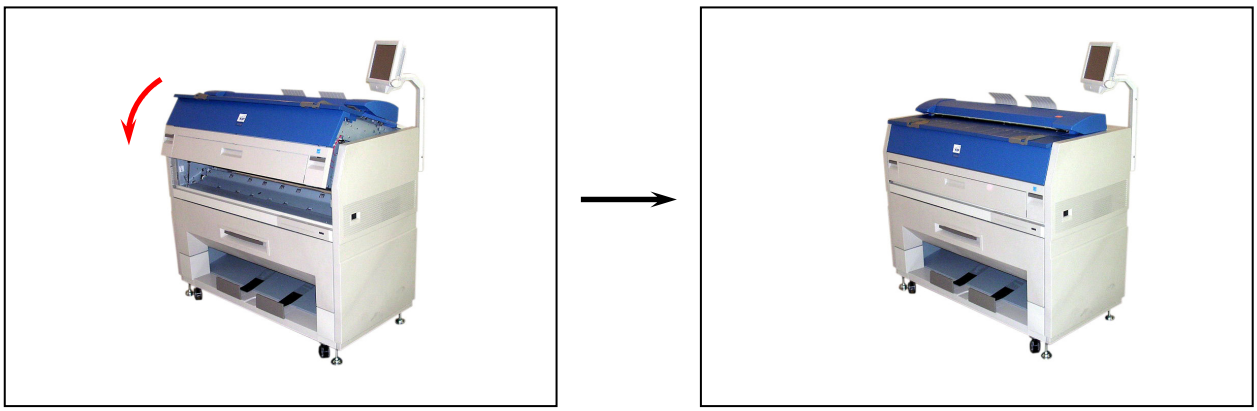


NOTE

Do not open the Engine Unit when the Scanner Unit is opened.
If the Scanner Unit is opened, it will hit the bottom of User Interface.

2. Remove the mis-fed paper if you find it.
   Go to the later step 4 when the mis-fed paper cannot be seen or removed.

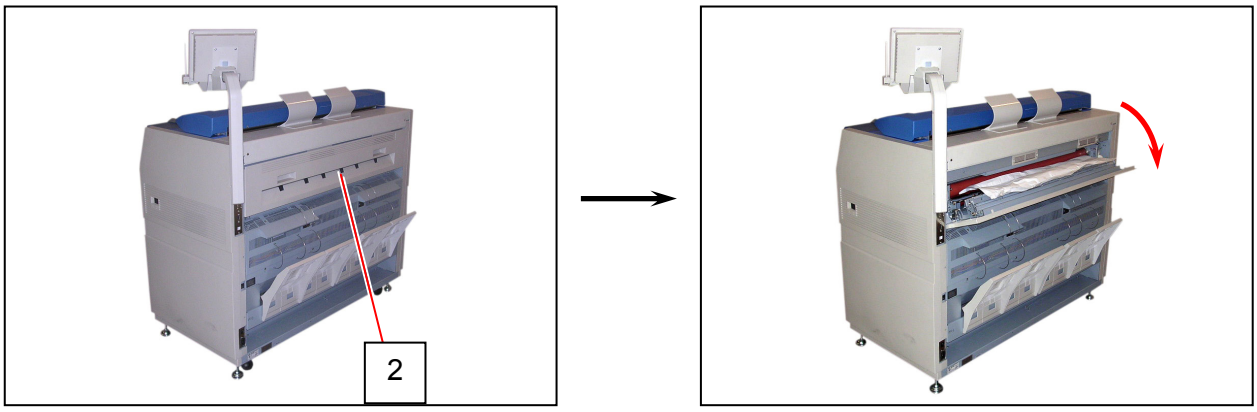
3. Close the Engine Unit firmly.



NOTE

Be sure to close the Engine Unit firmly until it is locked at the correct position.

4. Open the Exit Cover (2).



5. Remove the jammed paper pulling to the rear side.

WARNING

There are extremely hot parts inside the Exit Cover.
Do not touch any parts in the Heater Unit, or you will be burnt.
Also be careful not to get burnt when you touch the printing paper as it may be very hot.

NOTE

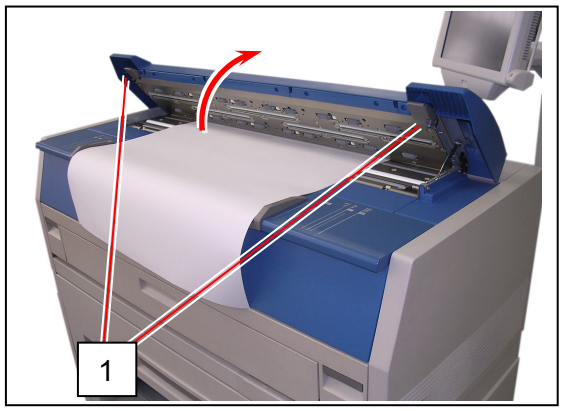
If removed a mis-fed paper inside the Exit Cover, scattered toner can be adhered to the next print.

3. 1. 1. 5 Accessory Jam

The printing paper is mis-fed in the optional device such as Auto Stacker or Folder.
Remove the mis-fed paper making reference to the User's Manual of concerning device.

3. 1. 1. 6 Original Jam

1. Open the Scanner Unit pulling up the Levers (1), and then remove the original.



2. Gently press Scanner Unit down and firmly close it.

NOTE

Press down Scanner Unit on both the sides to close it.
Do not close it by pressing only one side down.

3. 1. 2 Others

3. 1. 2. 1 Initial state

This message is indicated when the KIP 3100 is turned on for the first time.

> **NOTE**
>
> You will not find this message because every machine has been turned on at least once before shipment.

3. 1. 2. 2 Deck Open

This message is indicated when the Roll Deck is opened.
Close it firmly.

3. 1. 2. 3 Accessory Error

Any error occurs in the optional device such as Auto Stacker or Folder.
Clear the error making reference to the User's Manual of concerning device.

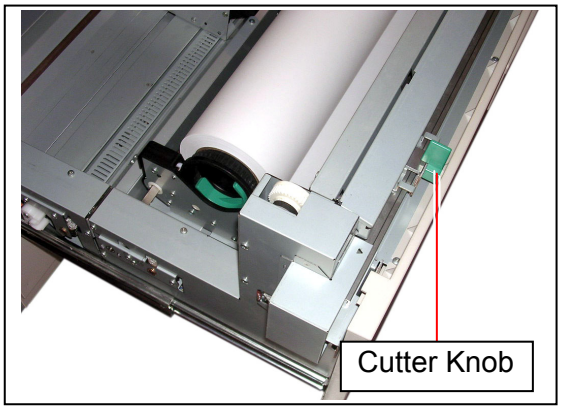
3. 1. 2. 4 Manual Set NG

This message is indicated when a cut sheet paper is inserted to the Bypass Feeder during warming up.
Remove it from the Bypass Feeder.

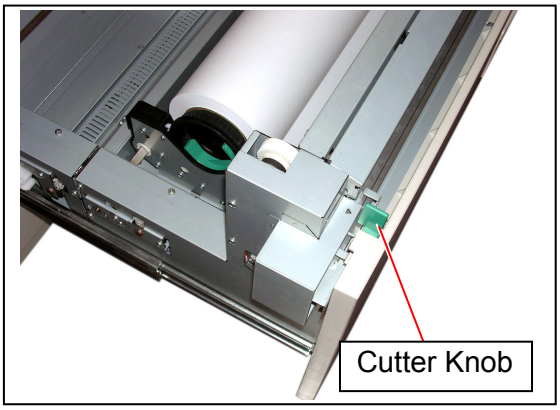
3. 1. 2. 5 Cutter Set NG

This message is indicated when the Cutter Knob is not located at the correct position.
Open the Roll Deck, and slide the Cutter Knob fully to the left or right to align the Cutter Knob with the end of the railing.

Incorrect (Not placed at the end)

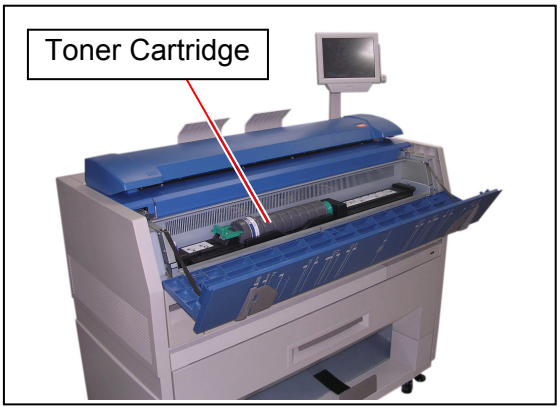


Correct (Placed at the left or right end)



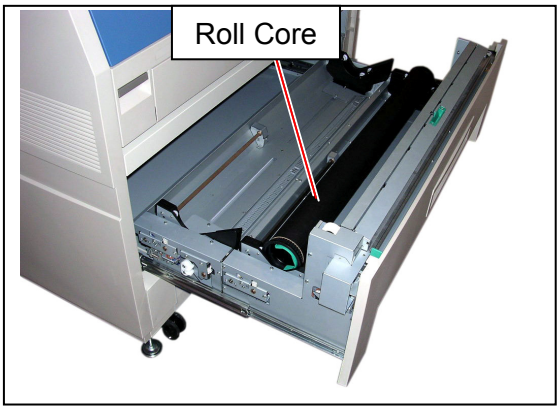
3. 1. 2. 6 Toner Empty

This message is indicated when the Toner Cartridge is emptied with the toner.
Replace the Toner Cartridge with the new one making reference to [2. 4 Toner Cartridge Installation] on the page 2-10.



3. 1. 2. 7 Paper Empty

This message is indicated when the roll paper in use is emptied.
Replace roll paper with the new one making reference to [2. 3 Roll Media Replacement] on the page 2-5.



3. 1. 2. 8 The door opened during the print

This message is indicated when the Roll Deck is opened during printing by accident.
Close the Roll Deck.
If the paper is mis-fed inside the machine, remove it.

3. 2 Service Call Errors

In case the following Error Codes for a serious failure appear in the screen;

PLEASE CALL YOUR TRAINED SERVICE PERSONNEL TO RESOLVE THE ERRORS.
No operation should be done by the customer.

Error Code	Error Indication
E - 000	Fuser Low Temp
E - 001	Fuser Over Temp
E - 002	Fuser Low Temp
E - 003	Temp Not Rise
E - 010	Motor1 Error
E - 011	Motor2 Error
E - 012	Motor3 Error
E - 020	Counter Error
E - 031	1st Error
E - 032	AC Error
E - 033	Tr Error
E - 034	Bias Error
E - 040	Cutter Error
E - 050	FPGA Error
E - 070	Dev Error
E - 080	Density Sensor Error
E - 081	

If any of the above errors appear:

1. Turn off KIP 3100, and turn it on after an interval of 30 seconds or more.

2. If the same error code appears, turn off KIP 3100, and then unplug the printer from the wall outlet after an interval of two minutes for shutdown.
   Call your service personnel.

Chapter 4

Maintenance

page

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4. 1. 2 Print Engine 4- 4
4. 1. 3 Touch Screen 4- 6

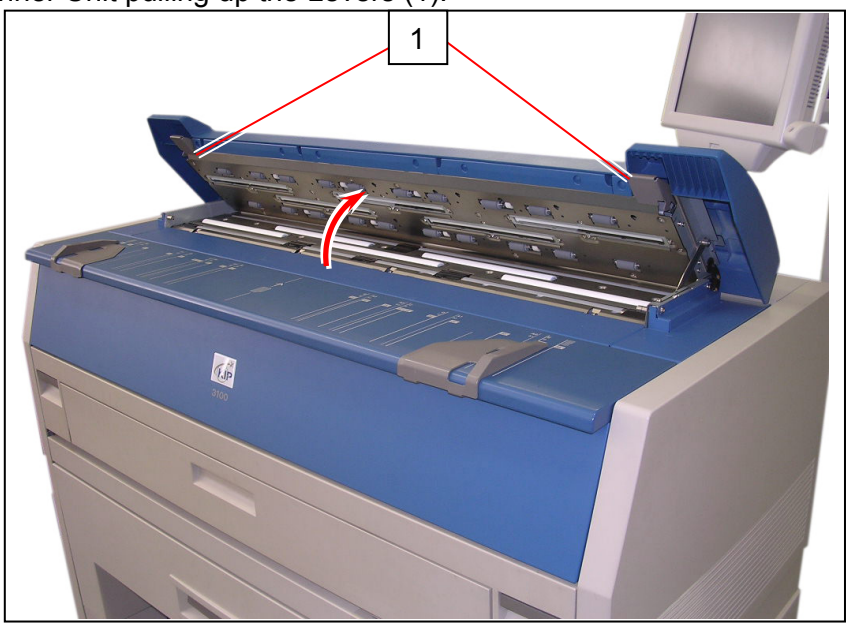
4. 1 Cleaning

4. 1. 1 Scanner Unit

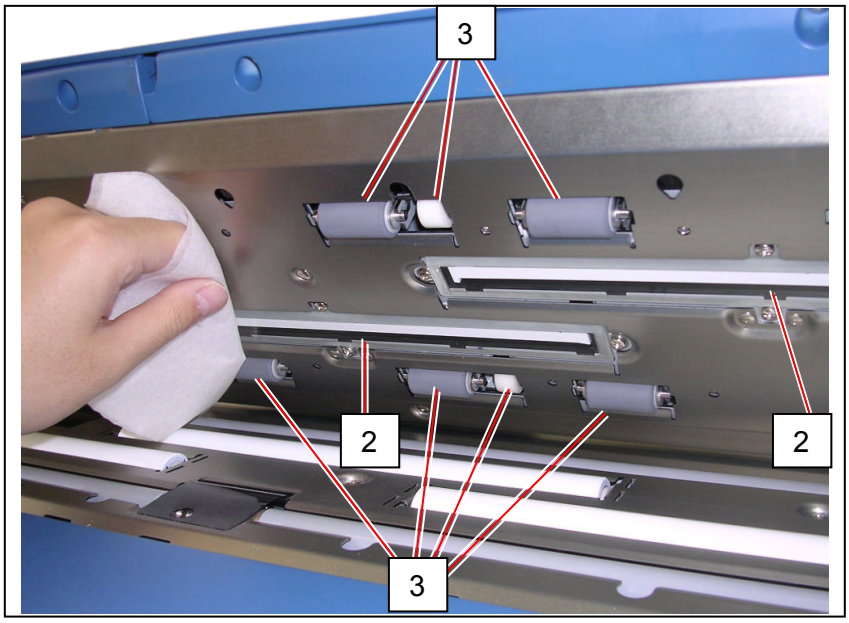
Clean each Scan Glass, Feeding Rollers and Guide Plates once per a week, as the scan/copy image may become defective if these parts are dirty.

1. Turn off KIP 3100.

2. Open the Scanner Unit pulling up the Levers (1).



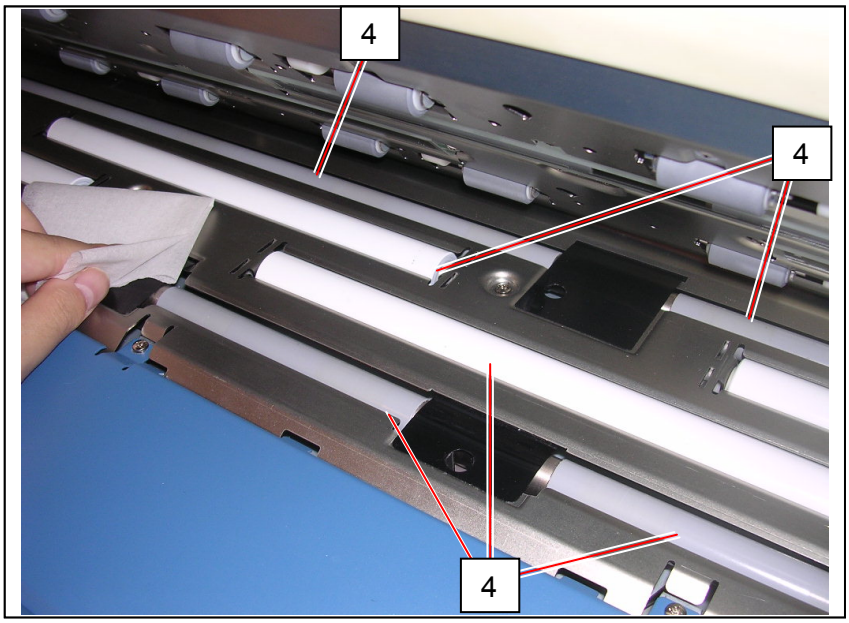
3. Wipe each Scan Glass (2), Feeding Rollers (3) and the inside surface with a soft cloth. Use equal volume mixture of water and a neutral detergent.



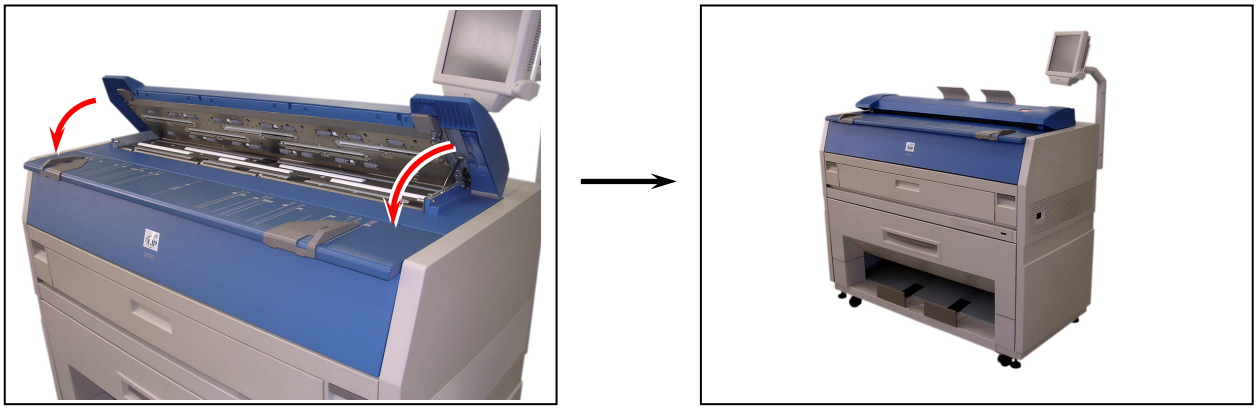
⚠ NOTE

Do not use organic solvent, glass cleaner and anti-static spray for the cleaning.

4. Wipe both the Feed Rollers (4) and the inside surface with a soft dry cloth.



5. Gently press Scanner Unit down and firmly close it.



NOTE

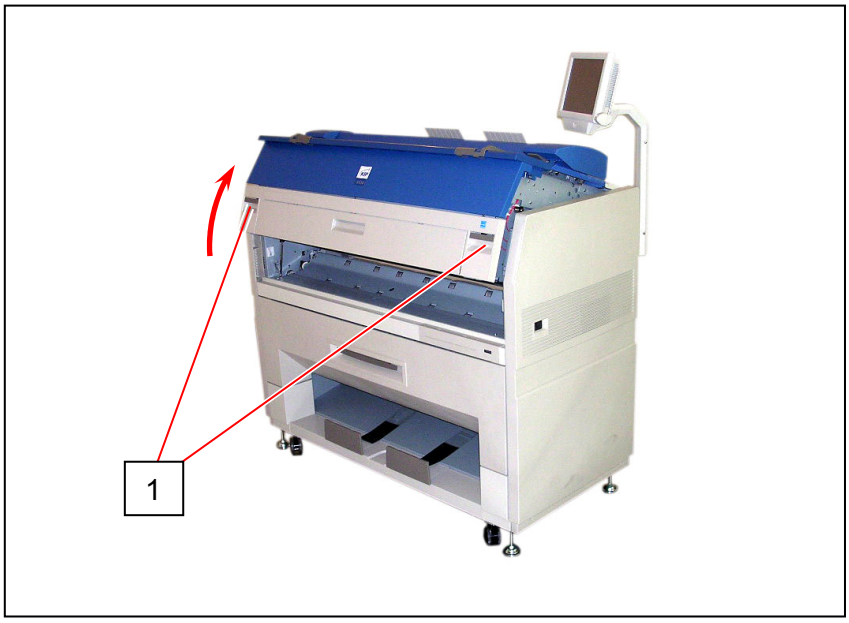
Press down Scanner Unit on both side to close it.
Do not close it by pressing only one side down.

4. 1. 2 Print Engine

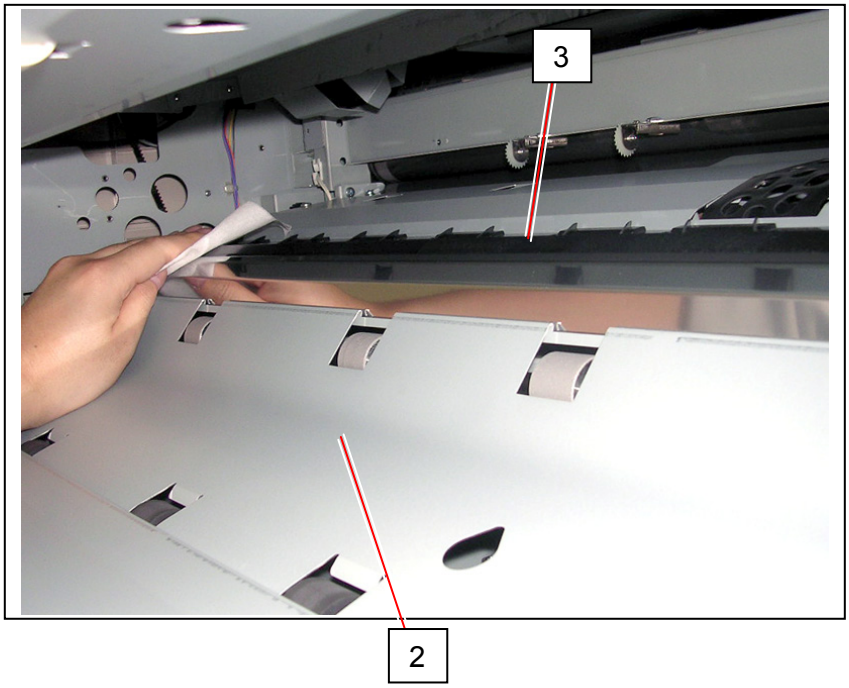
Clean Guide Plate once per a week, as the toner or paper dust may accumulates on such part which may result in a defective print image.

1. Turn off KIP 3100.

2. Open the Engine Unit pulling up the Engine Unit Open Levers (1).



3. Wipe Guide Plate (2) (3: black rubber area) with a soft dry cloth to remove toner or paper dust.



NOTE

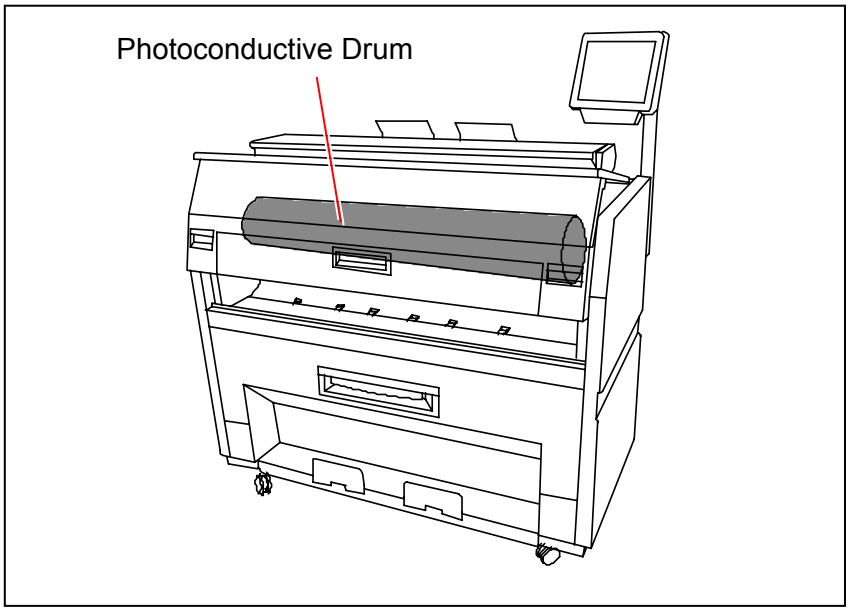
(1) There is a Photoconductive Drum (large green cylinder) in the machine, which is right above the Guide Plate.
You will have to replace the Drum if it is damaged, as it is a very important part in creating the print image.

Please take care of the following matters when you make cleaning.

a.) Do not touch the drum.
Adhering a fingermark or sebum on the Drum may cause defective printing.

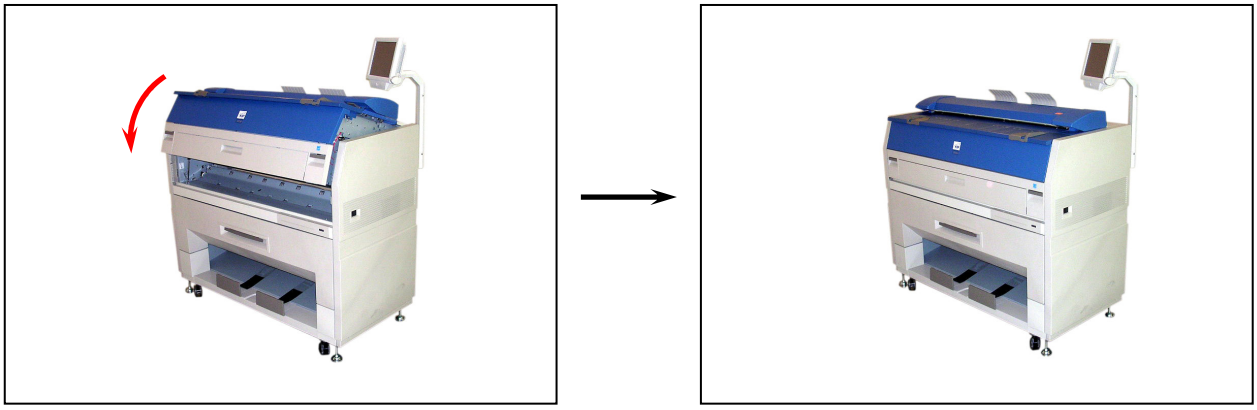
b.) Take off such metal accessories as watch or ring.
You will have to replace the Drum if you damage the Drum scratching with such accessories.

c.) Do not leave the Upper Unit open for more than 10 minutes as the Drum is very sensitive to light. (Direct sunlight is very harmful.)



(2) Do not use water, organic solvent and alcohol for the cleaning.

4. Close the Engine Unit.



4. 1. 3 Touch Screen

Clean the Touch Screen once a week.

1. Wipe the Touch Screen with a dry cloth.

NOTE

Do not use water, alcohol, organic solvent and glass cleaner for the cleaning.

Multi-Function Printer
KIP 3100 User's Guide

Version A.3 (Issued on July 22, 2008)

Published by Katsuragawa Electric Co., Ltd.
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Ohta-ku, Tokyo 146-8585, Japan

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